

TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Release

<b>CONVEYING PARTY DATA</b>			
Name	Formerly	Execution Date	Entity Type
JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT		10/10/2012	ASSOCIATION: UNITED STATES

<b>RECEIVING PARTY DATA</b>	
Name:	Harman International Industries, Incorporated
Street Address:	400 Atlantic Street, 15th Floor
City:	Stamford
State/Country:	CONNECTICUT
Postal Code:	06901
Entity Type:	CORPORATION: DELAWARE

<b>PROPERTY NUMBERS Total: 207</b>		
Property Type	Number	Word Mark
Registration Number:	2499066	BASSLINK
Registration Number:	3671414	AKG
Registration Number:	3047320	R REVEL
Registration Number:	2157592	REVEL
Registration Number:	3535598	SOUNDCRAFT VI6
Registration Number:	1409283	INFINITY
Registration Number:	1385113	INFINITY
Registration Number:	2446701	INTERMEZZO
Registration Number:	1130709	
Registration Number:	1994159	OUTRIGGER
Registration Number:	2475906	PLUS ONE
Registration Number:	2523169	R.A.B.O.S.
Registration Number:	2050663	GRAND TOURING
Registration Number:	1494051	INFINITY

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**TRADEMARK**

Registration Number:	2166304	BCA
Registration Number:	1628028	COM-TECH
Registration Number:	1137593	CROWN
Registration Number:	1241893	CROWN
Registration Number:	1689943	CROWN
Registration Number:	1140244	
Registration Number:	1747700	DATAFRAME
Registration Number:	2979406	DBC
Registration Number:	1151524	DC 300
Registration Number:	1132609	IOC
Registration Number:	1617393	IQ SYSTEM
Registration Number:	1529417	MACRO-TECH
Registration Number:	1350422	MICRO-TECH
Registration Number:	1229018	MULTI-MODE
Registration Number:	1632187	ODEP
Registration Number:	1351515	PCC
Registration Number:	1379816	PHASE COHERENT CARDIOID
Registration Number:	1227096	PRESSURE ZONE MICROPHONE
Registration Number:	1181962	PZM
Registration Number:	1623481	SASS
Registration Number:	2427814	ULTRA-TECH
Registration Number:	1704166	VZ
Registration Number:	1486816	DIFFEROID
Registration Number:	2108109	IQ
Registration Number:	1478359	P.I.P.
Registration Number:	1442930	POWER BASE-1
Registration Number:	3538619	HARMAN KARDON
Registration Number:	700449	CITATION
Registration Number:	3087064	EZSET
Registration Number:	3245376	EZSET/EQ
Registration Number:	3087065	EZSET+
Registration Number:	3778803	HARDWIRE
Registration Number:	1166266	HARMAN/KARDON
Registration Number:	3600183	HARMAN/KARDON
Registration Number:	1552645	HARMAN/KARDON

	3842004	HARMONYMAN
Registration Number:	1546807	HI
Registration Number:	1377965	HK
Registration Number:	2406957	POWER FOR THE DIGITAL REVOLUTION
Registration Number:	2308718	TAKE CONTROL
Registration Number:	2929086	BECKER
Registration Number:	2970922	BECKER
Registration Number:	2503475	HARMAN INTERNATIONAL
Registration Number:	1794712	HI
Registration Number:	2756564	ODYSSEY
Registration Number:	803793	
Registration Number:	2012429	OMNIDRIVE
Registration Number:	2623517	AUDIODNA
Registration Number:	1320432	DBX
Registration Number:	2915049	DIGIDELAY
Registration Number:	2972640	DOUBLEFLEX
Registration Number:	3647446	DRIVERACK
Registration Number:	1581245	DIGITECH
Registration Number:	2919297	DIGITECH WHAMMY
Registration Number:	2776877	DIGIVERB
Registration Number:	1581244	DOD
Registration Number:	2735693	GNX
Registration Number:	2807478	GRUNGE
Registration Number:	2949492	GUITAR WORKSTATION
Registration Number:	3596538	Q HIQNET
Registration Number:	3406616	Q HIQNET
Registration Number:	3605026	HIQNET
Registration Number:	3442161	INFINITY INTERMEZZO
Registration Number:	1869340	JAM MAN
Registration Number:	2854959	LOGIC7 UPMIX
Registration Number:	2745228	MAIN SQUEEZE
Registration Number:	2993565	MINIDRIVE
Registration Number:	2799206	MULTI CHORUS
Registration Number:	2396126	PEAKPLUS
Registration Number:	2919863	PRO TRACKS

	1884253	S-DISC
Registration Number:	2801375	SYNTH WAH
Registration Number:	2472300	TALKER
Registration Number:	2726030	TONE DRIVER
Registration Number:	2801374	TURBO FLANGE
Registration Number:	2250061	TYPE III
Registration Number:	2265325	TYPE IV
Registration Number:	2665018	VOCALIST
Registration Number:	3134146	X-SERIES
Registration Number:	3395779	ZONEPRO
Registration Number:	2547937	AUTOWARMTH
Registration Number:	2016964	BSS
Registration Number:	1032613	DBX
Registration Number:	2036492	DBX
Registration Number:	1148795	OVEREASY
Registration Number:	2152801	PEAKSTOPPLUS
Registration Number:	2106748	SOUNDWEB
Registration Number:	2470743	BASS OPTIMIZATION SYSTEM
Registration Number:	2574174	CMMD
Registration Number:	1613622	EMIT
Registration Number:	1628149	ERS
Registration Number:	2925712	INFINITY
Registration Number:	2929639	INFINITY
Registration Number:	1130710	INFINITY
Registration Number:	1385112	
Registration Number:	2846757	INFINITY PRIMUS
Registration Number:	1698844	KAPPA
Registration Number:	2960882	KAPPA PERFECT
Registration Number:	3058130	KAPPA PERFECT
Registration Number:	2880299	MMD
Registration Number:	1628148	MODULUS
Registration Number:	2887650	PLUS ONE +
Registration Number:	2234474	PRELUDE
Registration Number:	2915241	INFINITY TOTAL SOLUTIONS
Registration Number:	2872845	TOTAL SOLUTIONS

	1842812	AUDIOACCESS
Registration Number:	1576056	BI-RADIAL
Registration Number:	2921042	JBL BASS Q
Registration Number:	2853443	JBL SYNTHESIS
Registration Number:	2210832	POWER SERIES
Registration Number:	2579310	SOUNDPOINT
Registration Number:	1378917	SYNTHESIS
Registration Number:	2082469	HOW TO LISTEN
Registration Number:	782327	JBL
Registration Number:	2472125	ULTIMA GEM
Registration Number:	2472126	ULTIMA SALON
Registration Number:	2472121	ULTIMA STUDIO
Registration Number:	1794731	UREI
Registration Number:	1723491	VARICURVE
Registration Number:	2799168	VARIMOTION
Registration Number:	2789776	VISTONICS
Registration Number:	1769777	AUDIO DIGITAL
Registration Number:	1167108	CABARET
Registration Number:	1613674	CONTROL
Registration Number:	2173406	INVISIBALL
Registration Number:	3002530	JBL DRIVEPACK
Registration Number:	3002531	JBL PLYMAX
Registration Number:	2908989	PRECISION DIRECTIVITY
Registration Number:	2828208	RADIATION BOUNDARY INTEGRATOR
Registration Number:	2472301	SCREENARRAY
Registration Number:	2446850	SOUNDZONE
Registration Number:	2754979	VERTEC
Registration Number:	2887452	WEATHERMAX
Registration Number:	2018236	EON
Registration Number:	3736572	EON
Registration Number:	2140874	THERMOMASTER
Registration Number:	2099835	TOTAL THERMAL MANAGEMENT SYSTEM
Registration Number:	2698186	LOGIC7
Registration Number:	2730807	LARES
Registration Number:	2643786	LEXICHIP

	1155393	LEXICON
Registration Number:	2858235	LOGIC 7
Registration Number:	2177392	LOGIC 7
Registration Number:	1143174	MARK LEVINSON
Registration Number:	1218242	MARK LEVINSON
Registration Number:	1130740	MARK LEVINSON
Registration Number:	1218241	MARK LEVINSON
Registration Number:	3735997	MARK LEVINSON
Registration Number:	2696773	CREATURE
Registration Number:	3495979	DUET
Registration Number:	3107521	JBL ENCOUNTER
Registration Number:	3027602	JBL ON STAGE
Registration Number:	3121896	JBL ON TIME
Registration Number:	3026171	JBL ON TOUR
Registration Number:	3397212	JBL ON STAGE
Registration Number:	3175423	JBL ON TOUR
Registration Number:	2453914	SOUNDSTICKS
Registration Number:	2642406	
Registration Number:	2703866	PHATBOX
Registration Number:	2656105	PHATNOISE
Registration Number:	2625630	PHATNOISE
Registration Number:	2602354	JBL
Registration Number:	3389444	JBL
Registration Number:	861616	JBL
Registration Number:	880890	JBL
Registration Number:	3487465	VENUE
Registration Number:	2049652	DIFFERENTIAL DRIVE
Registration Number:	883096	JBL
Serial Number:	85037902	HARMAN ECOTAINMENT
Serial Number:	77954625	HARMAN
Serial Number:	85078661	CITATION
Serial Number:	78731995	BECKER TRAFFIC ASSIST
Serial Number:	78732029	BECKER TRAFFIC ASSIST PRO
Serial Number:	77944627	DRIVECORE
Serial Number:	85037885	GREENEDGE ECOTAINMENT

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Serial Number:	77633836	DRIVERACK
Serial Number:	85003473	HALOSONIC
Serial Number:	77854913	HATS
Serial Number:	85166659	INFINITY
Serial Number:	85167094	INFINITY
Serial Number:	85145437	JAMMANAGER
Serial Number:	78691304	
Serial Number:	77020235	JBL
Serial Number:	77020238	JBL
Serial Number:	77019780	JBL
Serial Number:	77945278	PEAK X
Serial Number:	77944615	PURE BAND
Serial Number:	85155575	
Serial Number:	85035797	QUANTUMLOGIC
Serial Number:	85035768	SIGNAL DOCTOR
Serial Number:	77929084	SOUND REWARDS
Serial Number:	85146785	TUNES & TURNS REWARDS

**CORRESPONDENCE DATA**

Fax Number: 8668265420  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
Phone: 301-638-0511  
Email: ipresearchplus@comcast.net  
Correspondent Name: IP Research Plus, Inc.  
Address Line 1: 21 Tadcaster Circle  
Address Line 2: attn: Penelope J.A. Agodoa  
Address Line 4: Waldorf, MARYLAND 20602

ATTORNEY DOCKET NUMBER:	38199
NAME OF SUBMITTER:	Penelope J.A. Agodoa
Signature:	/pja/
Date:	11/14/2012

Total Attachments: 49  
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**U.S. PATENTS AND TRADEMARKS RELEASE OF SECURITY INTEREST**

THIS PATENT AND TRADEMARK RELEASE OF SECURITY INTEREST dated as of October 10, 2012 among Harman International Industries, Incorporated, a Delaware corporation (the “Company”), the Subsidiaries listed on Schedule I hereto (the “Subsidiary Grantors” and, collectively with the Company, the “Grantors”) and JPMORGAN CHASE BANK, N.A., as administrative agent (in such capacity, the “Administrative Agent”). Capitalized terms used herein and not otherwise defined shall have the meanings assigned to such terms in the Existing Credit Agreement, the Collateral Agreement and the Patent and Trademark Agreements (each as defined below), as applicable, referred to below.

A. Reference is made to the Multi-Currency Credit Agreement, dated as of December 1, 2010, as amended by the First Amendment dated as of December 15, 2011 and the Second Amendment dated as of June 2, 2012 (as further amended, supplemented or otherwise modified from time to time, the “Existing Credit Agreement”), among the Company, Harman Holding GmbH & Co. KG (the “Additional Borrower”), the several banks and other financial institutions from time to time parties thereto, HSBC Bank USA, National Association, and UniCredit Bank AG, New York Branch, as the Syndication Agents, Bank of America, N.A., Wells Fargo Bank, N.A. and RBS Citizens, N.A., as the Documentation Agents, J.P. Morgan Securities LLC, HSBC Securities (USA), Inc. and UniCredit Bank AG, New York Branch, as the Joint Lead Arrangers, and the Administrative Agent.

B. Reference is made to the Guarantee and Collateral Agreement dated as of December 10, 2010, as supplemented by Supplement No. 1 thereto dated as of July 2, 2012 (as amended, further supplemented or otherwise modified from time to time, the “Collateral Agreement”), among the Company, the Additional Borrower, the Subsidiaries of the Company party thereto and the Administrative Agent pursuant to which certain Grantors granted a security interest in favor of the Administrative Agent, for the benefit of the Secured Parties, in, among other things, certain registered Patents, Patent Applications, registered Trademarks and Trademark Applications of such Grantors.

C. Reference is made to (a) the Patent and Trademark Security Agreement, dated as of December 10, 2010 (the “Patent and Trademark Security Agreement”) and recorded with the United States Patent and Trademark Office on February 17, 2011 at Reel 25823, Frame 0354, in the case of the recordation of Patents (as defined herein), and on February 16, 2011 at Reel 4479, Frame 0790, in the case of the recordation of Trademarks (as defined herein).

D. Pursuant to the Patent and Trademark Agreements, as security for the payment or performance, as the case may have been, in full of (i) the Secured Obligations, each Grantor that is a US Grantor and (ii) the Foreign Secured Obligations, each Grantor that is a Foreign Grantor, pursuant to the Collateral Agreement granted to the Administrative Agent, its successors and assigns for the benefit of the Secured Parties, a security interest in, all right, title

and interest in and to any and all of the following assets and properties then owned or at any time thereafter acquired by such Grantor or in which such Grantor then had, or at any time in the future may have acquired any right, title or interest (collectively, the “Patent and Trademark Collateral”):

(a) all pending and issued design and utility patents filed in the United States, including pending and issued Patents (as defined in the Collateral Agreement) including those listed on Schedule II;

(b) all divisional, continuations, and continuation-in-part applications and issued Patents involved in a reissue proceeding or subject to a reissue certificate or any reexamination certificates;

(c) all unfiled, pending and registered trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, other source or business identifiers filed in the United States Trademark Office, in any similar office in any State, or in any other country or any politically recognized jurisdiction that allows for the protection of these rights, including all extensions or renewals then existing or thereafter adopted or acquired, registered Trademarks (as defined in the Collateral Agreement) and Trademark applications including those listed on Schedule III;

(d) all goodwill associated with or symbolized by the trademarks; and

(e) any general intangible asset of like nature involving an intellectual property right.

E. In connection with the payment of the amount necessary to pay off, satisfy and discharge in full all of the principal, accrued and unpaid interest, expenses and fees owing by the Borrowers and the other Loan Parties to the Administrative Agent, the Issuing Banks and the Lenders under the Existing Credit Agreement and the other Loan Documents (the “Loan Payoff Amount,” which amount excludes possible breakage costs, if any (which may be invoiced at a later date), and expense reimbursement and contingent indemnity obligations which by the express terms of the Existing Credit Agreement survive termination thereof) and the receipt thereof by the Administrative Agent, the Company has informed the Administrative Agent of its desire to record the release of all right, title and interest of the Administrative Agent and the other Secured Parties in and to the Patents and Patent Applications owned by the Grantors set forth on Schedule II hereto and in and to the Trademarks and Trademark Applications owned by the Grantors set forth on Schedule III hereto.

F. Accordingly, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, effective upon payment of the Loan Payoff Amount and termination of all Obligations and of all Commitments under the Existing Credit Agreement and the other Loan Documents (the payment of the Loan Payoff Amount and the terminations, collectively, the “Termination Events”), and in accordance with the terms and conditions set forth in the Existing Credit Agreement and the Collateral Agreement, the Administrative Agent hereby releases its security interests in and to the Patent and Trademark Collateral of the Grantors including the Patents and Trademarks set forth on Schedule II and Schedule III hereto,

and such security interests shall automatically terminate as provided in the Collateral Agreement and are hereby reassigned to the applicable Grantor.

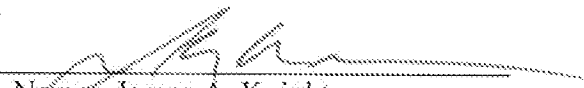
G. In the event the Termination Events do not occur, then all security interests in, liens on and encumbrances on the Patents and Trademarks in favor of the Administrative Agent in effect immediately prior to the date hereof shall remain in full force and effect and shall, to the extent perfected at such time, remain perfected and the releases and other provisions hereof shall be null and void. In connection with the release pursuant to paragraph F hereof, the Administrative Agent shall promptly execute and deliver to the Grantors, at the Company's and the Grantors' expense, all documents that it shall reasonably request to evidence such release. Any execution and delivery of documents, including this U.S. Patents and Trademarks Release of Security Interest, shall be without recourse to or warranty by the Administrative Agent.

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IN WITNESS WHEREOF, the undersigned has executed this U.S. Patents  
and Trademarks Release of Security Interest on the date first written above.

JPMORGAN CHASE BANK, N.A., as  
Administrative Agent

By



Name: James A. Knight

Title: Vice President

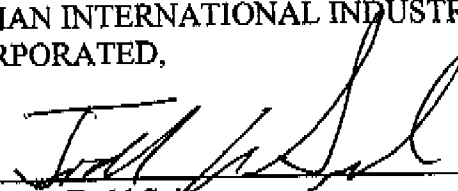
*[Signature Page to the Patent and Trademark Release]*

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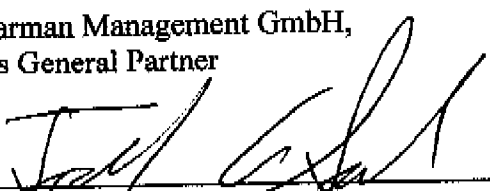
**TRADEMARK**  
**REEL: 004899 FRAME: 0849**

Accepted and Agreed  
as of the date first above written:

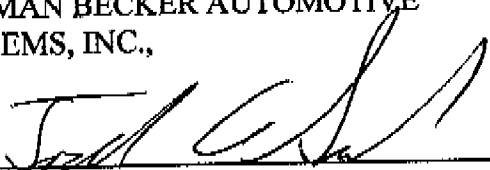
HARMAN INTERNATIONAL INDUSTRIES,  
INCORPORATED,

By:   
Name: Todd Suko  
Title: Executive Vice President and General  
Counsel

HARMAN HOLDING GMBH & CO. KG,

By: Harman Management GmbH,  
Its General Partner  
By:   
Name: Todd A. Suko  
Title: Managing Director with sole power of  
representation

HARMAN BECKER AUTOMOTIVE  
SYSTEMS, INC.,

By:   
Name: Todd Suko  
Title: Vice President and Secretary

HARMAN FINANCIAL GROUP LLC,

By: 

Name: Todd Suko

Title: Vice President

HARMAN PROFESSIONAL, INC.,

By: 

Name: Todd Suko

Title: Vice President and Secretary

HARMAN DEUTSCHLAND GMBH,

By: 

Name: Todd A. Suko

Title: Managing Director with sole power of representation

HARMAN BECKER AUTOMOTIVE  
SYSTEMS GMBH,

By: 

Name: *Dr. Udo Hitz*  
Title: *Managing Director*

By: 

Name: *Harry Andersson Benthancourt*  
Title: *Proxy Holder (Prokurist)*

[Signature page to Patent and Trademark Release]

[[NYCORP:3369508v2:4632W: 10/03/2012-10:18 a]]

Subsidiary Parties

1.	Harman Becker Automotive Systems, Inc.
2.	Harman Professional, Inc.
3.	Harman Financial Group LLC
4.	Harman Holding GmbH & Co. KG
5.	Harman Deutschland GmbH
6.	Harman Becker Automotive Systems GmbH





## I. Patents

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Transducer Housing	D451087	27-Nov-2015
Harman International Industries, Incorporated	Lock for Audio Component Controls	D602,471	20-Oct-2023
Harman International Industries, Incorporated	Loudspeaker	D609,214	02-Feb-2024
Harman International Industries, Incorporated	Loudspeaker Front Face	D595694	07-Jul-2023
Harman International Industries, Incorporated	Audio Input/Output Device	D613,270	02-Mar-2024
Harman International Industries, Incorporated	Audio Input/Output Device	D611036	02-Mar-2024
Harman International Industries, Incorporated	Portion of a Loudspeaker	D623,628	14-Sep-2024
Harman International Industries, Incorporated	Audio Component Front Face	D626,954	09-Nov-2024
Harman International Industries, Incorporated	Portion of an Audio Component	D466,107	26-Nov-2016
Harman International Industries, Incorporated	Portion of an Audio Component	D465,474	12-Nov-2016
Harman International Industries, Incorporated	Microphone	D494,960	24-Aug-2018
Harman International Industries, Incorporated	Loudspeaker	D504,415	26-Apr-2019
Harman International Industries, Incorporated	Loudspeaker	D503,933	12-Apr-2019
Harman International Industries, Incorporated	Audio Component	D499716	14-Dec-2018
Harman International Industries, Incorporated	Loudspeaker Cover	D519495	25-Apr-2020
Harman International Industries, Incorporated	Speaker Housing	D585,882	03-Feb-2023
Harman International Industries, Incorporated	Loudspeaker Housing	D583,803	30-Dec-2022
Harman International Industries, Incorporated	Loudspeaker Crossover	D584,714	13-Jan-2023
Harman International Industries, Incorporated	Compact Vehicular Loudspeaker With Dual-Standard Mounting System	6,505,705	27-Jul-2020
Harman International Industries, Incorporated	System And Method Of Producing Direct Audio From A Power Supply	6,392,476	14-Apr-2018
Harman International Industries, Incorporated	Loudspeaker System With Extended Bass Response	7158648	15-Jul-2023
Harman International Industries, Incorporated	Twist-Lock-Mountable Versatile Loudspeaker Mount	5,867,583	28-Mar-2017
Harman International Industries, Incorporated	Audio Speaker Having Rotatable Tweeter	6,002,780	06-Jul-2018
Harman International Industries, Incorporated	Advanced Sleep Timer	7,437,578	08-Nov-2026
Harman International Industries, Incorporated	Portion of an Audio Component Cover	D480,071	30-Sep-2017
Harman International Industries, Incorporated	Audio Component Front Face	D497,906	02-Nov-2018
Harman International Industries, Incorporated	Audio Component Face Plate	D483,753	16-Dec-2017
Harman International Industries, Incorporated	Audio Component Front Face	D498,233	09-Nov-2018
Harman International Industries, Incorporated	Audio Component Front Face	D540,787	17-Apr-2021
Harman International Industries, Incorporated	Audio Component Front Face	D536,699	13-Feb-2021
Harman International Industries, Incorporated	Front Portion of a Diaphragm	D542,780	15-May-2021
Harman International Industries, Incorporated	Audio Component Front Face	D529479	03-Oct-2020
Harman International Industries, Incorporated	Audio Component Face	D559,242	08-Jan-2022

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Audio Component Front Face	D573592	22-Jul-2022
Harman International Industries, Incorporated	Audio Component Front Face	D558,194	25-Dec-2021
Harman International Industries, Incorporated	Audio Component Front Face	D558,195	25-Dec-2021
Harman International Industries, Incorporated	Audio Component Front Face	D584,723	13-Jan-2023
Harman International Industries, Incorporated	Front Panel for an Audio Amplifier	D394,858	02-Jun-2012
Harman International Industries, Incorporated	Remote Sensing By High-Order Filtering	6,504,348	29-Dec-2020
Harman International Industries, Incorporated	Active Isolated-Integrator Low Pass Filter With Attenuation Poles	6,909,321	26-Dec-2020
Harman International Industries, Incorporated	Half-Bridge Gate Driver Optimized For Hard-Switching	6,556,053	06-Feb-2022
Harman International Industries, Incorporated	Digital Signal Processor Enhanced Pulse Width Modulation Amplifier	6,683,494	26-Mar-2022
Harman International Industries, Incorporated	Thermal Protection System For An Output Stage Of An Amplifier	6,927,626	19-Aug-2023
Harman International Industries, Incorporated	Opposed Current Converter Power Factor Correcting Power Supply	6,949,915	07-Sep-2023
Harman International Industries, Incorporated	Series Interleaved Boost Converter Power Factor Correcting Power Supply	7,403,400	01-Mar-2024
Harman International Industries, Incorporated	Current Feedback System For Improving Crossover Frequency	7,321,661	09-Sep-2024
Harman International Industries, Incorporated	Current Controlled Switch Mode Power Supply	7,283,379	10-Mar-2026
Harman International Industries, Incorporated	Heat Sink With Twist Lock Mounting Mechanism	7,394,658	01-Sep-2025
Harman International Industries, Incorporated	Amplifier Control System	5,015,969	11-Dec-2009
Harman International Industries, Incorporated	Sixteen Level Power Supply With Asynchronous Controller	5,045,990	03-May-2010
Harman International Industries, Incorporated	Audio Multiplexer	5,309,517	23-Dec-2012
Harman International Industries, Incorporated	Power Supply Modulator Circuit For Transmitter	5,345,198	10-Jun-2013
Harman International Industries, Incorporated	Sixteen Level Power Supply With Asynchronous Controller	5,276,603	06-Jan-2013
Harman International Industries, Incorporated	Independent Amplifier Control Module	5,500,626	11-Oct-2014
Harman International Industries, Incorporated	Slew Rate Control In A Multi-Level Switch	5,438,503	01-Aug-2012
Harman International Industries, Incorporated	Programmable Central Intelligence Controller And Distributed Intelligence Network For Analog/Digital Control Systems	5,862,401	11-Oct-2014
Harman International Industries, Incorporated	Switch-Mode Power Supply For Bridged Linear Amplifier	5,513,094	27-Mar-2015
Harman International Industries, Incorporated	Opposed Current Power Converter	5,657,219	29-Aug-2015
Harman International Industries, Incorporated	Light Sensitive Switch With Microphone	5,805,717	29-Dec-2015
Harman International Industries, Incorporated	Dual Mode Gradient Coil System	6,201,395	29-Jun-2018
Harman International Industries, Incorporated	Generalized Method Of Paralleling Voltage Amplifiers	6,297,975	10-Jun-2019
Harman International Industries, Incorporated	Circulating Current Sensing Device For Amplifiers	6,741,483	13-Nov-2018

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Apparatus And Method For Soft Switching Of Parallel Switch Assemblies	6,608,767	01-Sep-2020
Harman International Industries, Incorporated	Apparatus And Method For Soft Switching Of Parallel Switch Assemblies	6,426,883	14-Sep-2020
Harman International Industries, Incorporated	High Performance Current Sensor Using Low-Cost Current Transformer Arrays	6,531,862	12-Mar-2021
Harman International Industries, Incorporated	Surround Having a Sinoidal Face	D462,341	03-Sep-2016
Harman International Industries, Incorporated	Speaker Housing	D480,382	07-Oct-2017
Harman International Industries, Incorporated	Portion of a Speaker	D467,241	17-Dec-2016
Harman International Industries, Incorporated	Speaker	D460,064	09-Jul-2016
Harman International Industries, Incorporated	Portion of a Speaker	D460,959	30-Jul-2016
Harman International Industries, Incorporated	Box	D466,406	03-Dec-2016
Harman International Industries, Incorporated	Box	D466,804	10-Dec-2016
Harman International Industries, Incorporated	Speaker	D461,178	06-Aug-2016
Harman International Industries, Incorporated	Speaker Housing	D464,334	15-Oct-2016
Harman International Industries, Incorporated	Speaker Housing	D484,113	23-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D465,778	19-Nov-2016
Harman International Industries, Incorporated	Speaker Housing	D462067	27-Aug-2016
Harman International Industries, Incorporated	Speaker Housing	D462068	27-Aug-2016
Harman International Industries, Incorporated	Speaker Housing	D468,291	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D466,494	03-Dec-2016
Harman International Industries, Incorporated	Speaker Grill	D465,779	19-Nov-2016
Harman International Industries, Incorporated	Speaker Housing	D468,293	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,575	24-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D469,425	28-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,576	24-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D468,294	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,904	31-Dec-2016
Harman International Industries, Incorporated	Portion of a Speaker Housing	D467,901	31-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D467,902	31-Dec-2016
Harman International Industries, Incorporated	Speaker Housing	D470,475	18-Feb-2017
Harman International Industries, Incorporated	Portion of a Speaker Housing	D470,476	18-Feb-2017
Harman International Industries, Incorporated	Speaker Housing	D468,295	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D467,903	31-Dec-2016
Harman International Industries, Incorporated	Control Element for a Speaker Housing	D468,298	07-Jan-2017
Harman International Industries, Incorporated	Speaker Housing	D478,566	19-Aug-2017
Harman International Industries, Incorporated	Speaker Housing	D473,858	29-Apr-2017
Harman International Industries, Incorporated	Audio Component Face	D476,651	01-Jul-2017
Harman International Industries, Incorporated	Speaker Housing	D478,567	19-Aug-2017
Harman International Industries, Incorporated	Speaker Housing	D471,530	11-Mar-2017

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Speaker Housing	D484,488	30-Dec-2017
Harman International Industries, Incorporated	Video Display	D470,828	25-Feb-2017
Harman International Industries, Incorporated	Portion of a Speaker Housing	D471,531	11-Mar-2017
Harman International Industries, Incorporated	Speaker Base	D474,764	20-May-2017
Harman International Industries, Incorporated	Speaker Housing	D471,532	11-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D471,896	18-Mar-2017
Harman International Industries, Incorporated	Remote Controller	D478,571	19-Aug-2017
Harman International Industries, Incorporated	Speaker Housing	D471,888	18-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D484,869	06-Jan-2018
Harman International Industries, Incorporated	Speaker Housing	D471,897	18-Mar-2017
Harman International Industries, Incorporated	Speaker Housing	D484,491	30-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D484,871	06-Jan-2018
Harman International Industries, Incorporated	Speaker Housing	D484,486	30-Dec-2017
Harman International Industries, Incorporated	Loudspeaker Housing	D483,350	09-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D484,487	30-Dec-2017
Harman International Industries, Incorporated	Speaker Housing	D484,870	06-Jan-2018
Harman International Industries, Incorporated	Speaker Housing	D485,544	20-Jan-2018
Harman International Industries, Incorporated	Audio Head Unit Face Plate	D491,555	15-Jun-2018
Harman International Industries, Incorporated	Portable Loudspeakers	D498,471	16-Nov-2018
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D554,108	30-Oct-2021
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	D508,458	16-Aug-2019
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D509,183	06-Sep-2019
Harman International Industries, Incorporated	Video Display	D558,159	25-Dec-2021
Harman International Industries, Incorporated	Controller For Playback Device And Display	D568,885	13-May-2022
Harman International Industries, Incorporated	Controller For Playback Device And Display	D558,767	01-Jan-2022
Harman International Industries, Incorporated	Portion Of A Headphone	D531170	31-Oct-2020
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D536665	13-Feb-2021
Harman International Industries, Incorporated	Audio And Docking Station For Handheld Electronic Device	D544,547	12-Jun-2021
Harman International Industries, Incorporated	Audio and Docking Station for a Handheld Electronic Device	D553,122	16-Oct-2021
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D553,123	16-Oct-2021
Harman International Industries, Incorporated	Portion of an Audio and Docking Station for a Handheld Electronic Device	D552,597	03-Mar-2026
Harman International Industries, Incorporated	Loudspeaker Housing	D555,147	13-Nov-2021
Harman International Industries, Incorporated	Audio and Charging Station for a Handheld Electronic Device	D544,108	30-Oct-2021

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Speaker Housing	D554,617	06-Nov-2021
Harman International Industries, Incorporated	Speaker Housing	D554,619	06-Nov-2021
Harman International Industries, Incorporated	Loudspeaker Housing	D568,289	06-May-2022
Harman International Industries, Incorporated	Loudspeaker Housing	D568,293	06-May-2022
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	D557,208	11-Dec-2021
Harman International Industries, Incorporated	Audio And Docking Station For A Handheld Electronic Device	D581,905	02-Dec-2022
Harman International Industries, Incorporated	Electronic Device Mount	D592,205	12-May-2023
Harman International Industries, Incorporated	Electronic Device Mount	D592,206	12-May-2023
Harman International Industries, Incorporated	Audio System For Minimizing The Chance That High Power Audio Signals May Be Directed To A Headphone Jack	7110839	29-Apr-2024
Harman International Industries, Incorporated	System And Method For Detecting Failures In A Speaker Assembly	7,043,027	04-Nov-2023
Harman International Industries, Incorporated	Tangential Stress Reduction System In A Loudspeaker Suspension	7,174,990	27-Mar-2021
Harman International Industries, Incorporated	Tangential Stress Reduction System In A Loudspeaker Suspension	6,851,513	27-Mar-2022
Harman International Industries, Incorporated	Tangential Stress Reduction System In A Loudspeaker Suspension	7,438,155	07-Feb-2025
Harman International Industries, Incorporated	Capacitive Touch Switch System For An Audio Device	7106221	01-Sep-2024
Harman International Industries, Incorporated	Steering Of Monaural Sources Of Sound Using Dead Related Transfer Functions	6,611,603	23-Jun-2017
Harman International Industries, Incorporated	Steering Of Monaural Sources Of Sound Using Dead Related Transfer Functions	6,173,061	23-Jun-2017
Harman International Industries, Incorporated	Full Range Loudspeaker	7167573	01-Jul-2019
Harman International Industries, Incorporated	Method And Apparatus For Connecting A Device To A Bus Carrying Power And A Signal	6,178,154	30-Jul-2018
Harman International Industries, Incorporated	Guitar Pedal	D520,553	09-May-2020
Harman International Industries, Incorporated	Portable Electronics Enclosure	D584,700	13-Jan-2023
Harman International Industries, Incorporated	Music Delivery, Control And Integration	6,686,531	27-Jan-2022
Harman International Industries, Incorporated	Musical Effect Customization System	7,026,539	04-Jan-2022
Harman International Industries, Incorporated	System For Customizing Musical Effects Using Digital Signal Processing Techniques	6,664,460	04-Jan-2022
Harman International Industries, Incorporated	Audio Feedback Processing System	7,203,324	27-Aug-2023
Harman International Industries, Incorporated	Effects And Recording System	7,373,210	06-Jan-2025
Harman International Industries, Incorporated	Apparatus For Showing Light At A Distance From A Light Source	5,988,842	03-Oct-2017
Harman International Industries, Incorporated	Amplifier With Noise Reduction	6,124,757	02-Nov-2018
Harman International Industries, Incorporated	Analog To Digital Conversion System That Enables High-Level Signal Excursions Without Clipping	6,195,029	25-Sep-2018

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Companding Noise Reducing System With Simultaneous Encode and Decode	6,556,685	06-Nov-2018
Harman International Industries, Incorporated	Audio Component Face Plate	D479,229	02-Sep-2017
Harman International Industries, Incorporated	Loudspeaker	D494,958	24-Aug-2018
Harman International Industries, Incorporated	Charging Station For An Electronic Device	D530273	17-Oct-2020
Harman International Industries, Incorporated	Portion Of An Audio And Charging Station for A Handheld Electronic Device	D554,583	06-Nov-2021
Harman International Industries, Incorporated	Method of Automatically Adjusting The Sound And Visual Parameters Of A Home Theater System	7095455	05-Mar-2023
Harman International Industries, Incorporated	Portion of a Loudspeaker Housing	D565,027	25-Mar-2022
Harman Becker Automotive Systems	Input Devices For Vehicle Control Systems II	D575,210	19-Aug-2022
Harman Becker Automotive Systems GmbH	Input Device For Vehicle Control Panel	D575,712	26-Aug-2022
Harman Becker Automotive Systems GmbH	Input Device For A Vehicle Control Panel	D575211	19-Aug-2022
Harman International Industries, Incorporated	Digital Signal Processing For Symmetrical Stereophonic Imaging In Automobiles	6,876,748	17-Dec-2022
Harman Audio Electronic Systems GmbH	Flat Panel Loudspeaker Arrangement	7,062,064	08-Dec-2022
Harman Audio Electronic Systems GmbH	High Frequency Loudspeaker	6,888,946	04-Jan-2022
Harman/Becker Automotive Systems GmbH	Electromagnetic Driver For A Planar Diaphragm Loudspeaker	7,158,651	08-Jul-2023
Harman International Industries, Incorporated	Data-Driven Software Architecture For Digital Sound Processing And Equalization	6,804,565	09-Jun-2022
Harman International Industries, Incorporated	Loudspeaker Structure	6,373,957	14-May-2021
Harman International Industries, Incorporated	Core Cap for Loudspeaker	7,400,740	14-Feb-2025
Harman International Industries, Incorporated	Navigation Radio For Fleet Car Usage	6,988,034	26-Jun-2023
Harman International Industries, Incorporated	Mounting Bracket System	7155026	25-Feb-2025
Harman International Industries, Incorporated	Method of Tensioning a Diaphragm for an Electro-Dynamic Loudspeaker	7,278,200	02-May-2023
Harman International Industries, Incorporated	Electrical Connectors For Electro-Dynamic Loudspeakers	7146017	09-Sep-2024
Harman International Industries, Incorporated	Electro-Dynamic Loudspeaker Mounting System	7,149,321	09-Nov-2024
Harman International Industries, Incorporated	Conductors For Electro-Dynamic Loudspeakers	7,236,608	02-May-2023
Harman International Industries, Incorporated	Method Of Assembling A Loudspeaker	7152299	04-Feb-2024
Harman International Industries, Incorporated	Acoustically Enhanced Electro-Dynamic Loudspeakers	7136501	2-May-2023
Harman International Industries, Incorporated	Frequency Response Enhancements For Electro-Dynamic Loudspeakers	7,035,425	14-Sep-2024
Harman International Industries, Incorporated	Magnet Arrangement For Loudspeaker	7,203,332	14-Jan-2024
Harman International Industries, Incorporated	Sound Localization System Based on Analysis of the Sound Field	7,492,908	02-May-2023
Harman International Industries, Incorporated	Surround Detection System	7,499,553	13-Mar-2024

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	System For Transducer Compensation Based On Ambient Conditions	7,092,536	09-Mar-2024
Harman International Industries, Incorporated	Sound Processing System Using Spatial Imaging Techniques	7,206,413	07-May-2021
Harman International Industries, Incorporated	Sound Processing System With Degraded Signal Optimization	7,177,432	13-Feb-2007
Harman International Industries, Incorporated	Sound Processing System Using Distortion Limiting Techniques	7,451,006	7-May-2021
Harman International Industries, Incorporated	Loudspeaker System For Virtual Sound Synthesis	7,336,793	15-Nov-2025
Harman International Industries, Incorporated	Seatback Audio System	6,991,289	31-Jul-2023
Harman International Industries, Incorporated	Seatback Audio Controller	7,466,832	31-Jul-2023
Harman International Industries, Incorporated	Multiple Voice-Coil Cone-Driver	7,024,014	15-Nov-2023
Harman International Industries, Incorporated	Acoustic Lens System	7,316,290	11-Feb-2025
Harman Becker Automotive Systems GmbH	Bass Management Systems	7,391,869	23-Sep-2022
Harman International Industries, Incorporated	Speaker Housing	7,274,797	14-Jul-2023
Harman International Industries, Incorporated	Multiple Tuners In A Single Radio Receiver	7,373,123	27-Feb-2024
Harman International Industries, Incorporated	Informed Memory Access For Vehicle Electronic Modules	7,454,273	20-Aug-2024
Harman International Industries, Incorporated	Multiple Tuners In A Single Radio Receiver	7,373,123	27-Feb-2024
Harman International Industries, Incorporated	Informed Memory Access For Vehicle Electronic Modules	7,454,273	20-Aug-2024
Harman International Industries, Incorporated	Sound Processing System For Configuration Of Audio Signals In A Vehicle	7,447,321	07-May-2021
Harman International Industries, Incorporated	Loudspeaker Mounting	4,997,059	18-Dec-2009
Harman International Industries, Incorporated	Transducer Enclosure	5,022,488	18-Sep-2009
Harman International Industries, Incorporated	Control Voltage Generator Multiplier And One-Shot For Integrated Surround Sound Processor	5,295,189	01-Dec-2012
Harman International Industries, Incorporated	Control Voltage Generator Multiplier And One-Shot For Integrated Surround Sound Processor	5,504,819	02-Apr-2013
Harman International Industries, Incorporated	Control Voltage Generator Multiplier And One-Shot For Integrated Surround Sound Processor	5,172,415	08-Jun-2010
Harman International Industries, Incorporated	Switching Amplifier	5,428,687	27-Jun-2012
Harman International Industries, Incorporated	Surround Processor With Antiphase Blending And Pantomama Control Circuitry	5,307,415	28-Oct-2012
Harman International Industries, Incorporated	Acoustic Transducer For Automotive Noise Cancellation	5,255,321	05-Dec-2010
Harman International Industries, Incorporated	Surround Sound Loudspeakers	5,280,528	01-Dec-2012
Harman International Industries, Incorporated	Surround Sound Loudspeakers	5,199,075	14-Nov-2011
Harman International Industries, Incorporated	Surround Sound Loudspeakers	5,301,237	01-Dec-2012
Harman International Industries, Incorporated	Time Constant Processing Circuit For Sound Processor	5,263,087	14-Nov-2011



Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Vibratory Compressor Actuator	5,231,337	03-Jan-2012
Harman International Industries, Incorporated	Apparatus For Enhancing Monophonic Audio Signals Using Phase Shifters	5,339,363	01-Dec-2012
Harman International Industries, Incorporated	Pulse-Width Modulator To Class D Amplifier	5,160,896	18-Feb-2012
Harman International Industries, Incorporated	Surround Sound Processor With Improved Control Voltage Generator	5,504,819	18-Jul-2014
Harman International Industries, Incorporated	Audio Image Enhancement System	5,400,405	02-Jul-2013
Harman International Industries, Incorporated	Apparatus For Centering And Actuator Coil	5,383,267	07-Sep-2013
Harman International Industries, Incorporated	Sound System Remote Control With Acoustic Sensor	5,386,478	07-Sep-2013
Harman International Industries, Incorporated	Method Of Making A Speaker	6,224,801	01-May-2018
Harman International Industries, Incorporated	Six-Axis Surround Processor With Automatic Balancing And Calibration	5,666,424	24-Apr-2016
Harman International Industries, Incorporated	Surround Sound Processor With Improved Control Voltage Generator	5,644,640	27-Mar-2016
Harman International Industries, Incorporated	Six-Axis Surround Sound Processor With Improved Matrix And Cancellation Control	5,625,696	02-Apr-2013
Harman International Industries, Incorporated	Loudspeaker Spider, Method Of Making It And Loudspeaker Incorporating It	6,269,167	13-Nov-2016
Harman International Industries, Incorporated	Woven Spider For A Loudspeaker	7,082,667	29-Mar-2014
Harman International Industries, Incorporated	Dynamic Stereophonic Enhancement Signal Processing System	5,872,851	19-May-2017
Harman International Industries, Incorporated	Sound System	5,883,961	17-Mar-2017
Harman International Industries, Incorporated	Slotted Diaphragm Loudspeaker	5,883,967	15-Apr-2017
Harman International Industries, Incorporated	Dipole Speaker Headrests	5,887,071	07-Aug-2016
Harman International Industries, Incorporated	Stereo Spatial Enhancement System	5,970,153	16-May-2017
Harman International Industries, Incorporated	Stereophonic Image Enhancement System For Use In Automobiles	6,038,323	17-Nov-2017
Harman International Industries, Incorporated	Power Amplifier And Loudspeaker Frame Integration	6,263,084	13-Mar-2017
Harman International Industries, Incorporated	Mounting Method And Apparatus For Electrical Components	6,266,244	25-Oct-2019
Harman International Industries, Incorporated	Regressively Hinged Spider	6,351,544	10-Dec-2019
Harman International Industries, Incorporated	Loudspeaker Overcurrent Protection	6,665,415	09-Sep-2019
Harman International Industries, Incorporated	Diaphragm Stable Through Hygroscopic Cycling	6,724,910	04-Oct-2019
Harman International Industries, Incorporated	Offset Apex Spider	6,567,528	18-Nov-2019
Harman International Industries, Incorporated	Loudspeaker Spider With Regressive Roles	6,449,375	22-Sep-2019
Harman International Industries, Incorporated	Mounting Clip	D463729	01-Oct-2016
Harman International Industries, Incorporated	Front Portion of Diaphragm	D538,791	20-Mar-2021
Harman International Industries, Incorporated	Combined Speaker and Stand Therefor	D328,898	25-May-2006
Harman International Industries, Incorporated	Loudspeaker Baffle Isolation System	7073624	31-Jul-2023

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Speaker Enclosure Configured To Minimize Diffraction	6,619,424	29-Sep-2021
Harman International Industries, Incorporated	Speaker Housing Configured To Minimize Standing Waves And Resonate Above The Frequency Range Of Transducers	6,675,932	06-Dec-2021
Harman International Industries, Incorporated	Versatile Speaker Base	6,891,957	07-Sep-2021
Harman International Industries, Incorporated	Crossbar Bracket Assembly For Speakers And Monitors	6,527,237	07-Sep-2021
Harman International Industries, Incorporated	Air Seal System for Loudspeaker	7,341,259	05-Mar-2022
Harman International Industries, Incorporated	Acoustic Transducer With Mechanical Balancing	7,333,620	09-Apr-2024
Harman International Industries, Incorporated	Low Profile Transducer	7,450,729	09-Apr-2024
Harman International Industries, Incorporated	Acoustic Transducer With Folded Diaphragm	7,412,065	09-Apr-2024
Harman International Industries, Incorporated	Waveguide Modeling And Design System	7,197,443	29-Oct-2023
Harman International Industries, Incorporated	Waveguide Modeling And Design System	7,467,071	29-Oct-2023
Harman International Industries, Incorporated	Docking Amplifier Housing Assembly	5,130,891	02-Jan-2011
Harman International Industries, Incorporated	Switching Amplifier	5,218,315	06-Jan-2012
Harman International Industries, Incorporated	Flush-Mount Swivel Tweeter System For Vehicular Audio	5,859,917	04-Aug-2017
Harman International Industries, Incorporated	Integrated Clamping Mechanism	5,930,116	12-Jun-2018
Harman International Industries, Incorporated	Ceramic Metal Matrix Diaphragm For Loudspeakers	6,327,372	05-Jan-2019
Harman International Industries, Incorporated	Ceramic Metal Matrix Diaphragm For Loudspeakers	7,280,668	05-Jan-2019
Harman International Industries, Incorporated	Ceramic Metal Matrix Diaphragm For Loudspeakers	6,404,897	14-Jan-2020
Harman International Industries, Incorporated	Portion of a Loudspeaker	D476,641	01-Jul-2017
Harman International Industries, Incorporated	Clock Radio Receiver	D473,210	15-Apr-2017
Harman International Industries, Incorporated	Clock Radio Receiver	D473,209	15-Apr-2017
Harman International Industries, Incorporated	Clock Radio Receiver	D473,208	15-Apr-2017
Harman International Industries, Incorporated	Loudspeaker	D491,918	22-Jun-2018
Harman International Industries, Incorporated	Loudspeaker	D498,746	23-Nov-2018
Harman International Industries, Incorporated	Electronic Device	D500,019	21-Dec-2018
Harman International Industries, Incorporated	Speaker Transducer	D494,959	24-Aug-2018
Harman International Industries, Incorporated	Multi-Mode Ambient Soundstage System	7,454,022	24-Nov-2025
Harman International Industries, Incorporated	Audio Direct From Power Supply	5,986,498	14-Apr-2018
Harman International Industries, Incorporated	Speaker Transducer	D496,353	21-Sep-2018
Harman International Industries, Incorporated	Portion of an Audio Component	D502,170	22-Feb-2019
Harman International Industries, Incorporated	Radiation Boundary Integrator for a Loudspeaker System	D450778	20-Nov-2015
Harman International Industries, Incorporated	Radiation Boundary Integrator for a Loudspeaker System	D450683	20-Nov-2015
Harman International Industries, Incorporated	Acoustical Horn Design for a Loudspeaker	D452,964	15-Jan-2016

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Harman International Industries, Incorporated	Speaker Transducer Housing	D483,743	16-Dec-2017
Harman International Industries, Incorporated	Portion of a Speaker Transducer Housing	D483,744	16-Dec-2017
Harman International Industries, Incorporated	Loudspeaker Housing	D568,289	06-May-2022
Harman International Industries, Incorporated	Loudspeaker Housing	D565549	01-Apr-2022
Harman International Industries, Incorporated	Loudspeaker Housing	D568,294	06-May-2022
Harman Becker Automotive Systems GmbH	Portable DVD Player	D584259	06-Jan-2023
Harman International Industries, Incorporated	Portable DVD Player	D574,795	12-Aug-2022
Harman Becker Automotive Systems GmbH	Remote Control	D624903	05-Oct-2024
Harman International Industries, Incorporated	Loudspeaker Enclosure	D379,629	03-Jun-2011
Harman International Industries, Incorporated	Loudspeaker Enclosure (Design)	D393,860	28-Apr-2012
Harman International Industries, Incorporated	Loudspeaker Enclosure	D394,263	12-May-2012
Harman International Industries, Incorporated	Loudspeaker Enclosure	D439237	30-Mar-2015
Harman International Industries, Incorporated	Loudspeaker Enclosure	D439,237	20-Mar-2015
Harman International Industries, Incorporated	High-Frequency Loudspeaker Module For Cinema Screen	6,466,680	25-Jan-2021
Harman International Industries, Incorporated	Method And Apparatus For Dynamic Sound Optimization	6,529,605	08-Aug-2021
Harman International Industries, Incorporated	Mid-Range Loudspeaker	7,027,605	23-Aug-2020
Harman International Industries, Incorporated	Full Range Loudspeaker System For Cinema Screen	6,513,622	23-Aug-2020
Harman International Industries, Incorporated	System And Method For Varying Low Audio Frequencies Inversely With Audio Signal Level	7,016,509	10-Jan-2023
Harman International Industries, Incorporated	Clock System Capable Of Synchronizing Clock Frequencies Of Power Devices And Digital Signal Processing Devices	7043313	29-Jul-2023
Harman International Industries, Incorporated	System For Integrating Mid-Range And High Frequency Acoustic Sources In Multi-Way Loudspeakers	7,134,523	17-Jul-2022
Harman International Industries, Incorporated	Loudspeaker Coil Suspension System	6,801,634	17-Nov-2021
Harman International Industries, Incorporated	Loudspeaker Coil Suspension System	7,095,869	31-Jul-2020
Harman International Industries, Incorporated	System For Using Digital Signal Processing To Compensate For Power Compression Of Loudspeakers	7,447,318	07-Sep-2021
Harman International Industries, Incorporated	Electromagnetic Motor System Capable of Removing Heat Away From Its Magnetic Gap	7,012,345 B2	25-Oct-2020
Harman International Industries, Incorporated	Electromagnetic Motor With Flux Stabilization Ring, Saturation Tips And Radiator	7,057,314	25-Oct-2020
Harman International Industries, Incorporated	Electromagnetic Motor With Flux Stabilization Ring, Saturation Tips, And Radiator	6,774,510	28-Dec-2020
Harman International Industries, Incorporated	Sound System Having A HF Horn Coaxially Aligned In The Mouth Of A Midrange Horn	7,236,606	02-Jun-2024
Harman International Industries, Incorporated	Thermoset Composite Material For Loudspeaker	7,0130,19	07-Mar-2022

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Harman International Industries, Incorporated	Rigging System For Line Array Speakers	7,298,860	25-Mar-2023
Harman International Industries, Incorporated	Polyurethane Foam Cabinets	7,096,995	17-Jun-2022
Harman International Industries, Incorporated	Horn-Loaded Compression Driver System	7,039,211	01-Nov-2023
Harman International Industries, Incorporated	Arbitrary Coverage Angle Sound Integrator	7,324,654	31-Dec-2022
Harman International Industries, Incorporated	Arbitrary Coverage Angle Sound Integrator	7,333,626	12-Nov-2020
Harman International Industries, Incorporated	Internal Lens System For Loudspeaker Waveguides	7,278,513	26-Jun-2022
Harman International Industries, Incorporated	Ambient Noise Sound Level Compensation	7,333,618	19-Jan-2026
Harman International Industries, Incorporated	Speaker Mounting Assembly	5,143,339	01-Mar-2011
Harman International Industries, Incorporated	Arrangement To Correct The Linear And Nonlinear Transfer Behavior Of Electro-Acoustical Transducers	5,438,625	01-Aug-2012
Harman International Industries, Incorporated	Temperature/Environment-Resistant Transducer Suspension	5,455,396	25-Mar-2013
Harman International Industries, Incorporated	Low TCR Wire In High Power Audio Coils	5,664,023	14-Nov-2014
Harman International Industries, Incorporated	Loudspeaker Thermal Management Structure	5533132	23-Jan-2015
Harman International Industries, Incorporated	Spaceframe With Array Element Positioning	5,602,366	12-Oct-2015
Harman International Industries, Incorporated	Front-Locking Swivel Ball Loudspeaker Mount	5,704,578	03-Nov-2015
Harman International Industries, Incorporated	Dual Coil Drive With Multipurpose Housing	5,748,760	12-Feb-2017
Harman International Industries, Incorporated	Inductive Braking In A Dual Coil Speaker Driver Unit	5,828,767	22-Sep-2017
Harman International Industries, Incorporated	Shorting Rings In Dual-Coil Dual-Gap Loudspeaker Drivers	6,847,726	19-Mar-2018
Harman International Industries, Incorporated	Shorting Rings In Dual-Coil Dual-Gap Loudspeaker Drivers	6,768,806	18-Mar-2019
Harman International Industries, Incorporated	Sound-Damping Laminate For Loudspeaker Structure	7,315,627	08-Mar-2020
Harman International Industries, Incorporated	Audio Component Face	D454,860	26-Mar-2016
Harman International Industries, Incorporated	Portion of an Audio Component Face	D454553	19-Mar-2016
Harman International Industries, Incorporated	Audio Component Face	D476,651	01-Jul-2017
Harman International Industries, Incorporated	Portion of an Audio Component Face Plate	D479,715	16-Sep-2017
Harman International Industries, Incorporated	Audio Component Front Face	D488,466	13-Apr-2018
Harman International Industries, Incorporated	Audio Component Face	D484,876	06-Jan-2018
Harman International Industries, Incorporated	Artificial Ambiance Processing System	7062337	10-Mar-2024
Harman International Industries, Incorporated	Discrete Surround Audio System For Home And Automotive Listening	7,443,987	28-Apr-2024
Harman International Industries, Incorporated	Multichannel Downmixing Device	7,450,727	11-Nov-2025
Harman International Industries, Incorporated	Electroacoustic System	5,109,419	18-May-2010
Harman International Industries, Incorporated	Sound Reproduction	5,136,650	09-Jan-2011

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Acoustic Analysis	5,161,197	04-Nov-2011
Harman International Industries, Incorporated	Multichannel Active Matrix Encoder And Decoder With Maximum Lateral Separation	5,796,844	19-Jul-2016
Harman International Industries, Incorporated	Multichannel Active Matrix Encoder And Decoder With Maximum Lateral Separation	5,870,480	31-Oct-2016
Harman International Industries, Incorporated	Method And System For Driving Speakers With A 90 Degree Phase Shift	6,683,962	21-Dec-2018
Harman International Industries, Incorporated	5-2-5 Matrix Encoder And Decoder System	7107211	10-Nov-2019
Harman International Industries, Incorporated	5-2-5 Matrix Encoder And Decoder System	6,697,491	03-Sep-2018
Harman International Industries, Incorporated	5-2-5 Matrix Encoder And Decoder System	7,386,132	17-Oct-2023
Harman International Industries, Incorporated	Information Transmission And Display Method And System For A Handheld Computing Device	7,123,212	16-Aug-2021
Harman International Industries, Incorporated	Power Switch For External Module Adapted To Interface With A Portable Information Handling System	6,696,771	08-Jun-2022
Harman International Industries, Incorporated	Use Of Remote Control With A Device Having A Built-In Communication Port	7,047,326	12-Dec-2022
Harman International Industries, Incorporated	Transfer Of Images To A Mobile Computing Tool	7,197,711	17-Oct-2023
Harman International Industries, Incorporated	Vehicle Media Hub	D581,920	02-Dec-2022
Harman International Industries, Incorporated	Audio/Visual Server	6,772,212	08-Mar-2020
Harman International Industries, Incorporated	Vehicle Sound System	6,990,208	08-Mar-2020
Harman International Industries, Incorporated	Mixing Console	D588,580	19-Mar-2023
Harman International Industries, Incorporated	Audio Mixer	D554,623	06-Nov-2021
Harman International Industries, Incorporated	Portion Of An Audio Mixer	D568,873	13-May-2022
Harman International Industries, Incorporated	Portion of an Audio Mixing - Central Portion	D569370	20-May-2022
Harman Becker Automotive Systems GmbH.	Input Devices For Vehicle Control System	D575,711	26-Aug-2022
Harman International Industries, Incorporated	Clock Generating Circuit And Method For Control Of Electrical Systems Thereof	5,530,390	08-Sep-2014
Harman International Industries, Incorporated	Digital Control Of Analog Systems	5,454,040	11-Mar-2013
Harman International Industries, Incorporated	Modular Tweeter	5,742,696	20-Sep-2016
Harman International Industries, Incorporated	Surround Structure For Maximizing Cone Diameter	7,548,631	19-Jan-2021
Harman International Industries, Incorporated	Sound Direction System	7,480,389	26-Dec-2023
Harman International Industries, Incorporated	Mounting Mechanism	7,731,130	431-Jun-20423
Harman Becker Automotive Systems GmbH	For Converting Analog Video Signals To Digital Video Signals	7,183,961	25-Jul-2022
Harman International Industries, Incorporated	Port System For Reducing Boundary Layer Separation	7,711,134	20-Dec-2024
Harman Becker Automotive Systems GmbH.	Vehicle Navigation System	7,333,888	25-Mar-2025

Registered Owner	Patent	Registration Number	Expiration Date
Harman International Industries, Incorporated	Variable Alignment Loudspeaker System	7,796,768	28-Apr-2028
Harman International Industries, Incorporated	Interface For Audio Visual Device	7,599,610	14-Dec-2026
Harman International Industries, Incorporated	Loudspeaker Suspension	6,889,796	28-Jan-2022
Harman International Industries, Incorporated	Polyurethane Foam Cabinets	7,096,995	17-Jun-2022
Harman International Industries, Incorporated	A Method of Attaching a Diaphragm to a Frame for a Planar Loudspeaker	7,716,808	02-May-2023
Harman International Industries, Incorporated	Magnet Retention System In Planar Loudspeakers	7,627,134	14-Jan-2024
Harman International Industries, Incorporated	Audio Feedback Processing System	7,602,925	04-Oct-2022
Harman International Industries, Incorporated	Sound Event Detection And Localization System Using Power Analysis	7,567,676	08-Jul-2025
Harman International Industries, Incorporated	Constant-Beamwidth Loudspeaker Array	7,826,622	23-Nov-2028
Harman International Industries, Incorporated	System For Configuring Audio System	7,526,093	05-Sep-2025
Harman International Industries, Incorporated	Wireless Presentation System	7,434,166	21-Dec-2025
Harman International Industries, Incorporated	Concentric Radial Ring Motor	7,706,563	24-Feb-2029
Harman International Industries, Incorporated	Automotive Audio Controller With Vibration Sensor	7,606,376	15-Dec-2025
Harman International Industries, Incorporated	Suspension System	7,516,932	28-Dec-2026
Harman International Industries, Incorporated	Audio Related System Node Instantiation	7,725,826	14-Nov-2028
Harman International Industries, Incorporated	System For Audio Related Equipment Management	7,742,606	23-Aug-2028
Harman International Industries, Incorporated	System For Audio Related Device Communication	7,689,305	09-Sep-2028
Harman International Industries, Incorporated	Reflective Loudspeaker Array	7,684,574	20-Oct-2026
Harman International Industries, Incorporated	Speaker Isolation System	7,720,247	09-Jan-2029
Harman International Industries, Incorporated	Log-Sampled Filter System	7,555,081	28-Jun-2027
Harman International Industries, Incorporated	System For Multiplexing Independent Signals	7,551,669	26-Sep-2025
Harman International Industries, Incorporated	Amplifier Employing Interleaved Signals For Pulse Width Modulation Ripple Suppression	7,598,714	22-Jan-2027
Harman International Industries, Incorporated	Series Resonant DC-DC Converter	7,554,820	20-Sep-2025
Harman International Industries, Incorporated	Precision Triangle Waveform Generator	7,557,622	21-Jan-2027
Harman International Industries, Incorporated	Powering A Wireless System From Preexisting Power	7,692,555	02-Feb-2029
Harman International Industries, Incorporated	User Interface for Multifunctionl Device	7,788,600	10-Apr-2029
Harman International Industries, Incorporated	Clamp For Electronic Devices	7,746,653	30-Jun-2028
Harman International Industries, Incorporated	Loudspeaker Suspension	5,123,053	11-Jul-2010
Harman International Industries, Incorporated	Actuator For Active Vibration Control	5,231,336	03-Jan-2012
Harman International Industries, Incorporated	Dipole Speaker Headrests	RE41,384E	07-Aug-2016
Harman/Becker Automotive Systems GmbH	Electromagnetic Driver For A Planar Diaphragm Loudspeaker	7,302,077	21-May-2023
Harman Becker Automotive Systems GmbH	System For Auralizing A Loudspeaker In A Monitoring Room For Any Type Of Input Signals	7,783,054	30-Aug-2022

Registered Owner	Patent	Registration Number	Expiration Date
Harman Becker Automotive Systems GmbH	Mobile Television Receiver	7,034,898	12-May-2022
Harman Becker Automotive Systems GmbH	Navigation System	7158880	13-Aug-2022
Harman Becker Automotive Systems GmbH	Motor Vehicle Telephone System	6968217	21-Feb-2021
Harman Becker Automotive Systems GmbH	Motor Vehicle Telephone System	7,421,289	21-Feb-2020
Harman Becker Automotive Systems GmbH	Radio Reception System With Automatic Tuning	7,120,404	13-Jul-2021
Harman Becker Automotive Systems GmbH	Radio Reception System With Automatic Tuning	7,747,232	17-Jan-2024
Harman Becker Automotive Systems GmbH	Method For Operating A Playback Unit In A Vehicle, For Playing Back Data Stored On A Data Medium	7,062,254	31-Aug-2022
Harman Becker Automotive Systems GmbH	Motor Vehicle Navigation System	7,162,364	13-Apr-2021
Harman Becker Automotive Systems GmbH	Motor Vehicle Navigation System	7,668,648	06-May-2021
Becker GmbH	Apparatus And Method For Noise-Dependent Adaption Of An Acoustic Useful Signal	6,628,788	27-Nov-2021
Harman Becker Automotive Systems GmbH	Method for Assigning A Data Channel To Multiple Data Links For Simultaneous Data Transmission Via A Single Data Channel	7,209,488	11-Nov-2024
Harman Becker Automotive Systems GmbH	Apparatus and Method for Transmitting a Digitized Signal, and a Data Source and Data Sink to Implement the Method	7,071,861	19-Mar-2024
Harman Becker Automotive Systems GmbH	Transmission And Reception Of A Decomposed Digital Signal	7,280,051	19-Mar-2024
Harman Becker Automotive Systems GmbH	Multimedia Unit Having Multiple Transceivers For Use In A Vehicle	7,400,234	13-Nov-2021
Harman Becker Automotive Systems GmbH	Multimedia System With A Housing That Operationally Stores A Plurality Of Multimedia Modules	6,727,606	16-May-2021
Harman Becker Automotive Systems GmbH	Motor Vehicle Navigation System That Receives Route Information From A Central Unit	6,853,915	12-Sep-2021
Harman International Industries, Incorporated	Navigation Map Creation System	7,089,162	14-Nov-2023
Harman Becker Automotive Systems GmbH	Television Receiver with Dynamically Adjustable Filtering	7136114	11-Feb-2022
Harman Becker Automotive Systems GmbH	Method For Suppressing Ambient Noise In A Hands-Free Device	7,315,623	04-Dec-2021
Harman Becker Automotive Systems GmbH	Navigational Device	6,704,646	10-Feb-2022
Harman Becker Automotive Systems GmbH	Multipath Compensation For Signal Receivers	7,738,609	17-Apr-2029
Harman Becker Automotive Systems GmbH	Navigation System With Voice Controlled Presentation Of Secondary Information	7,472,020	04-Aug-2025
Harman Becker Automotive Systems GmbH	Loudspeaker	7,292,707	25-Apr-2021
Harman Becker Automotive Systems GmbH	Planar Loudspeaker	7,187,776	13-Jul-2021
Harman Becker Automotive Systems (Becker Division) GmbH	System For Transmitting Data Between Two Bus Systems	7089343	28-Nov-2022
Harman Becker Automotive Systems GmbH	Equalizer Containing A Plurality Of Interference Correcting Equalizer Sections	7145944	30-Mar-2024

Registered Owner	Patent	Registration Number	Expiration Date
Harman Becker Automotive Systems GmbH	Equalizer Containing A Plurality Of Interference Correcting Equalizer Sections	7,668,237	04-Mar-2021
Harman Becker Automotive Systems GmbH	Address Data Storage Device	6,553,379	23-May-2021
Harman Becker Automotive Systems GmbH	Housing That Automatically Locks Into A Mounting Structure	7,123,885	25-Apr-2022
Harman/Becker Automotive Systems (Becker Div) GmbH	Apparatus And Method For Multichannel Sound Reproduction System	7,065,217	05-Mar-2022
Harman/Becker Automotive Systems (Becker Div) GmbH	Apparatus And Method For Demodulating A Radio Data System (RDS) Signal	6,661,292	11-Mar-2022
Harman Becker Automotive Systems GmbH	Phase-Locked Loop For Synchronization With A Subcarrier Contained In An Intelligence Signal	7164735	11-Mar-2022
Harman Becker Automotive Systems GmbH	System For Determining A Change In Vehicle Tire Pressure	7,187,273	07-May-2024
Harman Becker Automotive Systems GmbH	System For Identifying An Unauthorized Use Of A Telematic Device	7,688,197	05-Jul-2023
Harman Becker Automotive Systems GmbH	Method and Emergency Call Device For Triggering An Emergency Call From A Vehicle	7,580,697	12-Nov-2021
Harman Becker Automotive Systems GmbH	In-Car Computing System and Method for Controlling a Selection Mark in an In-Car Computing System	6,757,594	15-May-2022
Harman Becker Automotive Systems GmbH	In-car Computing Device and Method for Controlling a Cursor for an In-Car Computing Device	6,904,338	17-Nov-2022
Harman Becker Automotive Systems GmbH	Operating Device For An In-Car Computing System And In-Car Computing System	6,911,919	28-Jun-2022
Harman Becker Automotive Systems GmbH	Vehicle Navigation With Integrated Curve Warning	7,509,214	20-Dec-2026
Harman Becker Automotive Systems GmbH	Stereo Radio Receiver With Noise Suppression	7,239,710	31-Jan-2025
Harman Becker Automotive Systems GmbH	Radio Signal Receiver	7,305,225	09-Jul-2022
Harman International Industries, Incorporated	Loudspeaker Diaphragm Systems	7,539,324	26-Aug-2023
Harman Becker Automotive Systems GmbH	System for Speech Recognition with Multi-Part Recognition	7,392,189	21-Feb-2023
Harman Becker Automotive Systems GmbH	Multipath Video Reception System	7,428,022	31-May-2022
Harman Becker Automotive Systems GmbH	Motor Vehicle Navigation System With Enhanced Map Selection	6,898,523	12-Nov-2022
Harman Becker Automotive Systems GmbH	Ergonomic Map Information System	7,096,118	17-Jun-2022
Harman Becker Automotive Systems GmbH	Image Processor	7,720,312	16-Sep-2027
Harman Becker Automotive Systems GmbH	Receiver System For Decoding Data Embedded In An Electromagnetic Signal	7,254,378	20-Mar-2025
Harman Becker Automotive Systems GmbH	Vehicle Control System	7,477,970	18-Feb-2023
Harman Becker Automotive Systems GmbH	System For Providing Data In A Mobile Device	7,773,952	06-Sep-2025
Harman Becker Automotive Systems GmbH	System For Controlling Access To Services Provided By A Server To A Client Terminal	7,676,830	03-Sep-2024



Registered Owner	Patent	Registration Number	Expiration Date
Harman Becker Automotive Systems GmbH	Searching Receiver	7,403,755	06-Jan-2025
Harman Becker Automotive Systems GmbH	Scalable Vehicle Processing System	7,577,740	18-Jul-2027
Harman Becker Automotive Systems GmbH	Electrical Conductor	7,507,904	23-Oct-2021
Harman Becker Automotive Systems GmbH	Trigger Mechanism For Fluorescent Tubes	7,804,557	05-Apr-2025
Harman Becker Automotive Systems GmbH	Browser Enabled Wireless Communication System Having Encoded Parameters for Transmission	7,519,688	30-Nov-2021
Harman International Industries, Incorporated.	Moving-Coil Electrodynamc Motor For a Loudspeaker, Loudspeaker and Pole Piece	7,283,642	13-Feb-2022
Harman International Industries, Incorporated	Height Generating Satellite Navigation System	7,489,991	19-Oct-2023
Harman Becker Automotive Systems GmbH	System For Generating Three-Dimensional Electronic Models Of Objects	7,643,669	30-Dec-2023
Harman Becker Automotive Systems GmbH	Route Calculation Around Traffic Obstacles Using Marked Diversions	7,526,377	10-May-2025
Harman Becker Automotive Systems GmbH	System For Mounting A Display	7,712,707	18-Oct-2023
Harman Becker Automotive Systems GmbH	Unmapped Terrain Navigation System	7,321,823	14-Oct-2024
Harman International Industries, Incorporated	Navigation System With Acoustic Route Information	7,463,975	24-Feb-2023
Harman Becker Automotive Systems GmbH	Loudspeaker	7,418,107	26-Sep-2025
Harman Becker Automotive Systems GmbH	Database System For Navigation Device	7,181,344	01-Oct-2024
Harman Becker Automotive Systems GmbH	Audio Enhancement System	7,302,062	21Mar-2025
Harman Becker Automotive Systems GmbH	Circuit Arrangement for Reducing the Dynamic Range of Audio Signals	7,430,296	20-Jul-2022
Harman Becker Automotive Systems GmbH	Parametric Recursive Digital Filter	7,287,050	29-Sep-2023
Harman Becker Automotive Systems GmbH	Mobile Television Receiver	7,646,435	18-Oct-2027
Harman Becker Automotive Systems GmbH	Multi-Modal Data Input	7,761,204	18-Feb-2029
Harman Becker Automotive Systems GmbH	Key Activation System For Controlling Activation of a Speech Dialog System and Operation of Electronic Devices in a Vehicle	7,457,755	05-Oct-2026
Harman Becker Automotive Systems GmbH	In-Car Computer System And Method For Selecting And Activating Option Menus	7035720	12-Nov-2023
Harman Becker Automotive Systems GmbH	Interface System	7,546,396	17-Feb-2025
Harman Becker Automotive Systems GmbH	System For Providing Translated Information To A Driver Of A Vehicle	7,386,437	13-Aug-2024
Harman Becker Automotive Systems GmbH	Apparatus For Cooling Semiconductor Devices Attached To A Pinned Circuit Board	7,187,553	09-Aug-2024
Harman Becker Automotive Systems GmbH	Scanning Of Three-Dimensional Objects	7,689,032	15-Dec-2027
Harman Becker Automotive Systems, GmbH	Navigation System With Voice Output Control	7,177,762	29-Oct-2024
Harman Becker Automotive Systems GmbH	System For Texturizing Electronic Representations Of Objects	7,561,165	11-Oct-2022
Harman Becker Automotive Systems GmbH	A Scalable and Configurable Multimedia System for a Vehicle	7,664,931	01-Jul-2024

Registered Owner	Patent	Registration Number	Expiration Date
Harman Becker Automotive Systems GmbH	System For Processing Digital Map Data	7,248,184	05-Aug-2024
Harman Becker Automotive Systems GmbH	Data Transfer Interface for a Direct Transfer of Data From A First Device to a Second Device	7,730,231	10-Nov-2025
Harman International Industries, Incorporated	System for Determining The Position Of A Sound Source	7,386,133	09-Oct-2024
Harman Becker Automotive Systems GmbH	System For Communication With a Server Through A Mobile Communication Device	7,552,221	15-Oct-2024
Harman Becker Automotive Systems GmbH	Diversity System With Identification And Evaluation Of Antenna Properties	7,542,750	28-Feb-2027
Harman Becker Automotive Systems GmbH	Signal Amplifier System For A Broadcast Receiver	7,457,598	21-Dec-2024
Harman/Becker Automotive Systems GmbH	System For Determining Weather Information And Providing Ambient Parameter Data	7,406,382	22-Apr-2025
Harman Becker Automotive Systems GmbH	System For Interlaced Video Data	7,667,771	17-Oct-2027
Harman Becker Automotive Systems GmbH	Input Control System For High Frequency Receiver	7,539,469	09-Dec-2025
Harman Becker Automotive Systems GmbH	Sample Rate Converter Having A Zero-Phase Filter	7,450,036	20-Dec-2024
Harman Becker Automotive Systems GmbH	Vehicle Multimedia System	7,643,917	29-Aug-2025
Harman Becker Automotive Systems GmbH	Locking Mechanism for Locking a Removable Data Carrier	7,682,176	27-Sep-2027
Harman Becker Automotive Systems GmbH	System For Generating A Wideband Signal From A Narrowband Signal Using Transmitted Speaker-Dependent Data	7,693,714	06-Feb-2029
Harman Becker Automotive Systems GmbH	Device For Controlling Vehicle Electronics	7,528,330	22-Jul-2025
Harman Becker Automotive Systems GmbH	Radio System	7,676,202	05-Jan-2027
Harman Becker Automotive Systems GmbH	Electronic Built-In System	7,706,142	17-Jun-2026
Harman International Industries, Incorporated	Electric Motor System	7,439,698	23-Jan-2026
Harman Becker Automotive GmbH	Security Systems for Providing Mobile Device Feature Access Control	7,783,307	19-Mar-2029
Harman Becker Automotive Systems GmbH	Multilevel Push Pull Power Converter	7,796,409	22-Jan-2028
Harman international Industries, Incorporated	System For Dynamic Time Offsetting In Interleaved Power Amplifiers	7,778,324	11-Dec-2027
Harman Becker Automotive Systems GmbH	Route Determination and Driver Warning System	7,761,227	06-Jul-2028
Harman International Industries, Incorporated	Diagnostic System For Power Converter	7,521,936	09-Jan-2027
Harman Becker Automotive Systems GmbH	Fastening Element	7,800,911	25-Aug-2028
Harman Becker Automotive Systems GmbH	Roof Antenna Array For Phase Diversity System	7,696,939	06-Mar-2028
Harman Becker Automotive Systems (Straubing Division) GmbH	Arrangement For Reproducing Bass Tones In A Vehicle	5,287,412	26-Jun-2012
Harman Audio Electronic Systems GmbH	Electromagnetic Converter	5,424,496	30-Nov-2013
Nokia Technology GmbH	Conical Loudspeaker	5,243,151	16-Oct-2012
Becker GmbH	Method of Tuning a Radio Receiver Using RDS Information	5,390,343	04-Mar-2012

Registered Owner	Patent	Registration Number	Expiration Date
Harman Audio Electronic Systems GmbH	Coaxial Loudspeaker System	5,398,288	02-Aug-2013
Harman Audio Electronic Systems GmbH	Light-Weight Conical Loudspeaker	5,402,503	30-Sep-2013
Harman Audio Electronic Systems GmbH	Arrangement For Active Sound Damping	5,466,899	02-Dec-2014
Harman Audio Electronic Systems GmbH	Suspension Mount For Loudspeakers	5,574,797	19-Dec-2014
Harman Audio Electronic Systems GmbH	Double Chamber Bass Reflex Box	5,523,524	12-Dec-2014
BECKER GMBH	Methodfor Detecting Information in a RDS Data Flow	5,553,313	20-Oct-2014
Harman Audio Electronic Systems GmbH	Loudspeaker Suitable for High-Temperature Use Having a Non-Adhesive Connection Between the Voice Coil Support and the Loudspeaker Diaphragm	5,581,624	23-May-2015
Harman Audio Electronic Systems GmbH	Voice Coil Support For Loudspeaker	5,647,014	23-May-2015
Harman Audio Electronic Systems GmbH	Loudspeakers	5,699,439	23-May-2015
Harman Audio Electronic Systems GmbH	System for Cancelling Sound Waves	5,703,337	18-Jul-2016
Harman Audio Electronic Systems GmbH	Magnet-System	5,729,617	25-Jul-2016
Harman Audio Electronic Systems GmbH	Fixed Mounting Loudspeaker with Removable Chasis	6,031,924	27-Mar-2017
Harman Audio Electronic Systems GmbH	Loudspeaker Having Radially Magnetized Magnetic Ring	6,359,997	17-Apr-2017
Harman Audio Electronic Systems GmbH	Subwoofer Loudspeaker Box	5771302	06-May-2017
Harman Becker Automotive Systems GmbH	Sound System for a Motor Vehicle and Method for Defining a Functional Scope of a Sound System	6,157,725	10-Dec-2017
Harman Audio Electronic Systems GmbH	Voice Coil Assembly	6,130,955	19-Mar-2018
Harman Audio Electronic Systems GmbH	Sound Reproduction Device	6,212,284	04-Aug-2018
Harman Electronic Systems GmbH	Sound ReproductionDevice	6,275,598	18-Dec-2018
Harman Audio Electronic Systems GmbH	Suspension For Sound Reproduction Devices According to the FlexuralWave Principle	6,160,898	18-Dec-2018
Harman Audio Electronic Systems GmbH	ContactConnections	6,560,348	18-Dec-2018
Harman Becker Automotive Systems GmbH	Process and Apparatus for Real-Time Verbal Input of a Target Address of a Target Address System	6,230,132	10-Mar-2018
Harman Becker Automotive Systems GmbH	Apparatus for Selecting A Receiver Among A Plurality Of Receivers In A Diversity Receiver System Based Upon Automatic Gain Correction	7,116,959	30-Sep-2018
Harman/Becker Automotive Systems (XSYS Division) GmbH	Method For Determining the Quality of a Video and/or Television Image Signal	6,441,847	30-Sep-2018
Harman Becker Automotive Systems GmbH	Local Video and Audio Network with Optical Data Line	7,451,471	15-Dec-2020
Harman Audio Electronic Systems GmbH	Sound Reproduction Device Working Accoring to the Bending Wave Principle	6,622,817	14-May-2019
Harman Audio Electronic Systems GmbH	Projection Screen	6,369,943	22-Dec-2020
Harman Audio Electronic Systems GmbH	Panel Loudspeaker	7,236,601	14-May-2019
Harman Audio Electronic Systems GmbH	Driver For A Flat Acoustic Panel	6,347,149	14-May-2019

<b>Registered Owner</b>	<b>Patent</b>	<b>Registration Number</b>	<b>Expiration Date</b>
Harman Audio Electronic Systems GmbH	Device For Dynamic Excitation Of Panel Loudspeaker	6,494,289	14-May-2019
Harman Audio Electronic Systems GmbH	Panel Loudspeakers	6,836,552	14-May-2019
Harman Audio Electronic Systems GmbH	Acoustic Wall	6,170,603	03-Sep-2019
Harman Audio Electronic Systems GmbH	Multi-Mode Radiator Panels	6,748,090	14-Sep-2019
Harman Becker Automotive Systems GmbH	Apparatus For Automatically Finding A Radio Program	7,274,918	11-Oct-2022
Harman Becker Automotive Systems GmbH	Apparatus For Automatically Finding A Radio Program	7,831,231	31-Jul-2022
Harman Becker Automotive Systems GmbH	Digital Transcoding System	7,106,799	16-Apr-2022
Harman Becker Automotive Systems GmbH	Video Signal Processing System	7,227,584	19-Feb-2022
Harman Becker Automotive Systems GmbH	Video Signal Processing System	6,714,256	4-Sep-2021
XSYS Interactive Research GmbH	Local Network in a Vehicle	7,748,019	20-Jan-2020
XSYS Internactive Research GmbH	Method For Accessing The Quality Of A Television Image	6,262,766	30-Sep-2019
Harman Becker Automotive Systems GmbH	Antenna And Frequency Diversity Receiving Apparatus	7,277,686	10-Jan-2023
Harman Becker Automotive Systems GmbH	Making an Emergency Call from a Pre-Established Connection	7,162,219	05-Feb-2022
Becker GmbH	System And Method For Data Exchange In A Vehicle Multimedia System	6,647,327	15-Nov-2020
Becker GmbH	Motor Vehicle Sound System	7,512,244	31-Mar-2019
Harman Becker Automotive Systems GmbH	Motor Vehicle Sound System	7,039,196	31-Mar-2019
Becker GmbH	Local Ring Network and Method for Transmitting Digital Data in a Local Ring Network	6,782,552 B1	25-Feb-2020
Harman Audio Electronic Systems GmbH	Sound System	7123724	01-Nov-2023
Harman Audio Electronic Systems GmbH	Loudspeaker With A Front-Mounted Sealing Element And Method For Manufacturing The Same	6,661,902	08-Jan-2021
Harman Audio Electronic Systems GmbH	Door with Structural Components Configured to Radiate Acoustic Energy	7,088,836	20-Nov-2021

## II. Patent Applications

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	Speaker Surround Structure For Maximizing Cone Diameter	12/484,942	15-Jun-2009
Harman International Industries, Incorporated	Portion of a Loudspeaker	29/351,744	10-Dec-2009
Harman Becker Automotive Systems GmbH	Digital Display Of An Analog RGC Picture	11/678,928	26-Feb-2007
Harman Becker Automotive Systems GmbH	Method and System For Coordinating the Routes of a Plurality of Navigation Devices	10/562,083	23-Dec-2005
Harman Becker Automotive Systems GmbH	System For Coordinating The Routes Of Navigation Devices	11/495,168	28-Jul-2006
Harman Becker Automotive Systems GmbH	Matcher Power PIN Diode Preamplifier	11/049,777	01-Feb-2005
Harman Becker Automotive Systems GmbH	Design For Remote Control - RC With Cradle	29/369,359	04-Apr-2010
Harman Becker Automotive Systems GmbH	Audio Analog Digital Converter Decoding System	04005164.1	04-Mar-2004
Harman Becker Automotive Systems GmbH	Loudspeaker	11/935,018	05-Nov-2007
Harman Becker Automotive Systems GmbH	Circuit Arrangement For Audio Reproduction And For Hands-Free Operation In An Automobile	10/476,169	27-Oct-2003
Harman Becker Automotive Systems GmbH	Modulated Power Supply Amplifier	10/158,402	20-May-2002
Harman Becker Automotive Systems GmbH	Apparatus And Method For Multichannel Sound Reproduction System	11/455,913	19-Jun-2006
Harman Becker Automotive Systems GmbH	RDS Supporter Synchronization	10/729,884	05-Dec-2003
Harman Becker Automotive Systems GmbH	Digitaler Oscillator And POL For The Supporter Synchronization	11/622,722	12-Jan-2007
Harman International Industries, Incorporated	Method And Circuit Arrangement For Data Transfer	10/479,885	26-Jul-2004
Harman Becker Automotive Systems GmbH	Device For Initiating An Emergency Call	12/546,079	24-Aug-2009
Harman Becker Automotive Systems GmbH	Method For Controlling A Plurality Of Units Interconnected In A Ring Network And Ring Network	10/171,418	13-Jun-2002
Harman Becker Automotive Systems GmbH	Navigation-Based Speed-Dependent Volume Control	11/198,012	05-Aug-2005
Harman International Industries, Incorporated	Line Array Speakers Rigging System	11/929,524	20-Oct-2007
Harman International Industries, Incorporated	Weave Soundbar Speaker	29/351,737	10-Dec-2009
Harman International Industries, Incorporated	Weave Satellite Speaker	29/351,744	10-Dec-2009
Harman International Industries, Incorporated	Digital Mixing Console	29/353,385	07-Jan-2010
Harman International Industries, Incorporated	Digital Mixing Console	29/356,962	04-Mar-2010
Harman International Industries, Incorporated	Mixing Console	29/364,510	24-Jun-2010
Harman International Industries, Incorporated	Studer Vista - Audio Mixing Board	29365932	16-Jul-2010
Harman International Industries, Incorporated	Docking Station	29/369,172	02-Sep-2010
Harman International Industries, Incorporated	Docking Station	29/369,174	02-Sep-2010
Harman Becker Automotive Systems GmbH	Navigation System	11/618,169	29-Dec-2006
Harman Becker Automotive Systems GmbH	Placing Of A Multimedia Player In A Car	09/791,396	22-Feb-2001

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Harman Becker Automotive Systems GmbH	Method For Operating A Playback Unit In A Vehicle, For Playing Back Data Stored On A Data Medium	11/444,974	01-Jun-2006
Harman Becker Automotive Systems GmbH	MOST Protocols Over Bluetooth	10/005,208	04-Dec-2001
Harman Becker Automotive Systems GmbH	Method For Circuit Channel Sharing At MOST Networks	11/738,835	23-Apr-2007
Harman Becker Automotive Systems GmbH	Multimedia Unit Having Multiple Transceivers For Use In A Vehicle	12/171,455	11-Jul-2008
Harman Becker Automotive Systems GmbH	MOST Multiple Data Transmission Protocol	09/892,784	27-Jun-2001
Harman Becker Automotive Systems GmbH	MOST Derivation Of IP Addresses	09/892,783	27-Jun-2001
Harman Becker Automotive Systems GmbH	Field Strength Dependent Video Filter	11/598,558	13-Nov-2006
Harman Becker Automotive Systems GmbH	Noise Reduction System	11/966,198	28-Dec-2007
Harman Becker Automotive Systems GmbH	Automatic Switching Of Sound Characteristics	11/314,075	20-Dec-2005
Harman International Industries, Incorporated	Personal Device-To-Device Networking	09/955,665	19-Sep-2001
Harman Becker Automotive Systems GmbH	Stereo Radio Receiver With Noise Suppression	11/772,589	02-Jul-2007
Harman Becker Automotive Systems GmbH	Functional Signal Receiver	11/949,336	03-Dec-2007
Harman Becker Automotive Systems GmbH	Method For Speed Control	09/748,108	27-Dec-2000
Harman Becker Automotive Systems GmbH	Transmission Of Special Routes To A Navigation Device	10/531,338	14-Apr-2005
Harman Becker Automotive Systems GmbH	Audio Systems With Balance Setting Based On Information Addresses	10/528,870	24-Mar-2005
Harman Becker Automotive Systems GmbH	Method Of Outputting Speech, Data Carrier Comprising Speech Data, Application Apparatus	10/840,934	07-May-2004
Harman Becker Automotive Systems GmbH	Method And System For Outputting Traffic Data To A Driver Of A Vehicle	10/912,867	06-Aug-2004
Harman Becker Automotive Systems GmbH	Receiver For TV And/Or Radio Programs And Method For Monitoring TV And/Or Radio Programs	12/175,896	18-Jul-2008
Harman Becker Systems (Becker Division) GmbH	Method, Device And System For Transmitting An Emergency Call	10/563,069	30-Jun-2004,
Harman Becker Systems (Becker Division) GmbH	System For Transmitting An Emergency Call	11/521,586	14-Sep-2006
Harman International Industries, Incorporated	Sound Processing System Using Spatial Imaging Techniques	11/299,592	12-Dec-2005
Harman Becker Automotive Systems GmbH	Metal Vapour EMV Screen	12/409,213	23-Mar-2009
Harman Becker Automotive Systems GmbH	Equalizer System	10/488,958	5-Oct-2004
Harman Becker Automotive Systems GmbH	A Plurality of Multimedia Units Connected by a Pair of Networks	10/493,723	26-Apr-2004
Harman Becker Automotive Systems GmbH	Navigation Method and Navigation System	10/562,413	23-Dec-2005
Harman Becker Automotive Systems GmbH	Configurable Information Distribution System For A Vehicle	11/456,761	11-Jul-2006
Harman Becker Automotive Systems GmbH	Navigation System For Accessing Navigation Data Stored In An Access-Protected Manner	11/261,428	27-Oct-2005

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Harman Becker Automotive Systems GmbH	System For Limiting Received Audio	11/283,547	17-Nov-2005
Harman Becker Automotive System GmbH	Loudspeaker	12/174,483	16-Jul-2008
Harman Becker Automotive Systems GmbH	Audio Enhancement System	11/944,876	26-Nov-2007
Harman Becker Automotive Systems GmbH	System For Reducing The Dynamic Range Of Audio Signals	12/240,366	29-Sep-2008
Harman Becker Automotive Systems GmbH	Parametric Recursive Digital Filter	11/876,361	22-Oct-2007
Harman/Becker Automotive Systems GmbH	Sound System For A Vehicle	10/673,914	29-Sep-2003
Harman Becker Automotive Systems GmbH	Data Transmission Synchronization Scheme	11/188,039	22-Jul-2005
Harman Becker Automotive Systems GmbH	Secure Networked System For Controlling Mobile Access To Encrypted Data Services	10/984,731	08-Nov-2004
Harman Becker Automotive Systems GmbH	Stereo Audio-Signal Processing System	10/842,056	06-May-2004
Harman Becker Automotive Systems GmbH	Active Noise Tuning System	11/083,364	17-Mar-2005
Harman Becker Automotive Systems GmbH	Navigation System For Determining And Utilizing Monetary Cost Information	10/937,998	09-Sep-2004
Harman Becker Automotive Systems GmbH	A Driver Information System	10/706,221	12-Nov-2003
Harman Becker Automotive Systems GmbH	Circuit Arrangement And Method For Digital Television Reception In Mobile Television Receivers	10/532,176	03-Feb-2006
Harman International Industries, Incorporated	Constant Beamwidth Loudspeaker Array	12/651,890	04-Jan-2010
Harman International Industries, Incorporated	Audio Amplifier Local Interface System	10/866,553	10-Jun-2004
Harman Becker Automotive Systems GmbH	Loudspeaker With A Double Spider Centering System	10/846,848	14-May-2004
Harman Becker Automotive Systems GmbH	Navigation System and Navigation Method	11/018,484	17-Dec-2004
Harman Becker Automotive Systems GmbH	Multimedia System For Selecting And Activating Functions	11/588,841	27-Oct-2006
Harman Becker Automotive Systems GmbH	Activating A Function Of A Car Multimedia System	11/589,324	27-Oct-2006
Harman Becker Automotive Systems	Audio System	12/592,282	20-Nov-2009
Harman Becker Automotive Systems GmbH	Audio Enhancement System	11/410,538	25-Apr-2006
Harman Becker Automotive Systems GmbH	Transmission Of Multiple Independent Signals Over A Communication Link	10/900,577	26-Jul-2004
Harman Becker Automotive Systems GmbH	Vehicle Display Device	10/926,767	26-Aug-2004
Harman Becker Automotive Systems GmbH	Navigation System With Animated Intersection View	11/462,306	03-Aug-2006
Harman Becker Automotive Systems GmbH	Image Processor	11/441,838	26-May-2006
Harman Becker Automotive Systems GmbH	System For Improving the Subjective Impression of a Digitized Image	11/359,649	21-Feb-2006
Harman Becker Automotive Systems GmbH	Indoor Communication System For A Vehicular Cabin	11/118,092	29-Apr-2005
Harman Becker Automotive Systems GmbH	Vehicle Audio System Capable Of Playing Wireless Audio Data Received From A Mobile Audio Player	11/266,140	02-Nov-2005
Harman Becker Automotive Systems GmbH	Navigation System For Determining A Route To A Destination	11/122,773	04-May-2005
Harman Becker Automotive Systems GmbH	Feedback Limiter With Adaptive Time Control	12/145,986	25-Jun-2008
Harman/Becker Automotive Systems GmbH	Loudspeaker Diaphragm	11/123,968	06-May-2005
Harman Becker Automotive Systems GmbH	Data Security System For A Vehicle Navigation System	11/176,573	06-Jul-2005
Harman Becker Automotive Systems GmbH	Acoustic Echo Cancellation	12/710,092	22-Feb-2010
Harman Becker Automotive Systems GmbH	Audio Enhancement System	11/434,496	15-May-2006

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Harman Becker Automotive Systems GmbH	Passenger Compartment Communication System	12/693,176	25-Jan-2010
Harman Becker Automotive Systems GmbH	Vehicle Multimedia System	11/212,494	26-Aug-2005
Harman Becker Automotive Systems GmbH	Vehicle Multimedia System	12/647,963	28-Dec-2009
Harman Becker Automotive Systems GmbH	On-Board Interactive Electronic System For A Vehicle	11/256,675	20-Oct-2005
Harman Becker Automotive Systems GmbH	Locking Mechanism for Locking a Removable Data Carrier	12/608,270	29-Oct-2009
Harman Becker Automotive Systems GmbH	Speech Dialog Control Module	11/858,383	20-Sep-2007
Harman Becker Automotive Systems GmbH	Image Brightness Control System	11/352,459	10-Feb-2006
Harman Becker Automotive Systems GmbH	Audio Enhancement System and Method	11/185,534	20-Jul-2005
Harman Becker Automotive Systems GmbH	Audio Enhancement System and Method	12/246,101	06-Oct-2008
Harman Becker Automotive Systems GmbH	Amplifier Thermal Management	11/741,479	27-Apr-2007
Harman Becker Automotive Systems GmbH	System For Predicting The Behavior Of A Transducer	11/610,688	14-Dec-2006
Harman Becker Automotive Systems GmbH	Electro-Acoustic Transducer	11/340,415	26-Jan-2006
Harman International Industries Incorporated	System For Simulating Sound Engineering Effects	11/031,049	06-Jan-2005
Harman Internaitnal Industries, Incorporated	Speaker Isolation System	12/769,762	29-Apr-2010
Harman Becker Automotive Systems GmbH	Vehicle Communication System	11/740,164	25-Apr-2007
Harman Internaitnal Industries, Incorporated	Loudspeaker Plastic Cone Body	11/286872	22-Nov-2005
Harman Becker Automotive Systems GmbH	Active Noise Control System	12/015,219	16-Jan-2008
Harman Becker Automotive Systems GmbH	Cooling Means For Vehicle Multimedia Headunit	12/759,555	13-Apr-2010
Harman Becker Automotive Systems GmbH	Voice-Controlled Data System	11/360,034	21-Feb-2006
Harman Becker Automotive Systems GmbH	Voice-Controlled Data System	11/359,755	21-Feb-2006
Harman Becker Automotive Systems GmbH	Electronic Device	11/433,054	12-May-2006
Harman Becker Automotive Systems GmbH	Control System	11/433,055	12-May-2006
Harman Becker Automotive Systems GmbH	Automatic Control Of Adjustable Elements Associated With A Vehicle	11/362,286	23-Feb-2006
Harman Becker Automotive Systems GmbH	Display System	11/837,136	10-Aug-2007
Harman Becker Automotive Systems GmbH	Load testing Circuit	12/126,178	23-May-2008
Harman Becker Automotive Systems GmbH	Tracking System Using Audio Signals Below Threshold	12/013,943	14-Jan-2008
Harman Becker Automotive Systems GmbH	Electro Dynamic Planar Loudspeaker	11/405,856	18-Apr-2006
Harman Becker Automotive Systems GmbH	Actuating Element	11/866,288	02-Oct-2007
Harman Becker Automotive Systems GmbH	Method for Decoding a Digital Radio Stream	11/775,421	10-Jul-2007
Harman Becker Automotive Systems GmbH	Fan For Ventilating Electrical And Electronic Equipment	11/398,487	05-Apr-2006
Harman Becker Automotive Systems GmbH	Fan For Ventilating Electrical And Electronic Equipment	11/691,203	26-Mar-20
Harman Becker Automotive Systems GmbH	Fan for Ventilating Electrical and Electronic Equipment	11/937,784	09-Nov-2007
Harman Becker Automotive Systems GmbH	Deverberation And Feedback Compensation System	11/411,004	25-Apr-2006
Harman International Industries, Incorporated	Amplifier Employing Interleaved Signals For Pulse Width Modulation Ripple Suppression	12/573,674	05-Oct-2009
Harman International Industries, Incorporated	Amplifier Employing Interleaved Signals For Pulse Width Modulation Ripple Suppression	12/573,701	05-Oct-2009



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Harman Becker Automotive Systems GmbH	Headtracking System	11/948,494	30-Nov-2007
Harman Becker Automotive Systems GmbH	Optimum Route Determination With Tilings	11/595,802	09-Nov-2006
Harman Becker Automotive Systems GmbH	System for Improving Communication in a Room	11/753,255	24-May-2007
Harman Becker Automotive Systems GmbH	Loudspeaker	11/544,451	06-Oct-2006
Harman International Industries, Incorporated	Loudspeakers Having An Interlocking Magnetic Structure	11/386359	22-Mar-2006
Harman International Industries, Incorporated	Loudspeakers Having An Interlocking Magnetic Structure	12/831,640	07-Jul-2010
Harman Becker Automotive Systems GmbH	Background Noise Estimation	12/718,473	05-Mar-2010
Harman Becker Automotive Systems GmbH	Background Noise Estimation	12/729,839	23-Mar-2010
Harman Becker Automotive Systems GmbH	Storage And Visualising Points Of Interest In A Navigation System	11/726,394	21-Mar-2007
Harman International Industries, Incorporated	Multiple Magnet Loudspeaker	11/471,966	21-Jun-2006
Harman Becker Automotive Systems GmbH	Language Generating System	11/616,279	26-Dec-2006
Harman International Industries, Incorporated	High Output Subwoofer	11/676,201	16-Feb-2007
Harman International Industries, Incorporated	Precision Triangle Wave Generator	12/499,017	07-Jul-2009
Harman Becker Automotive Systems GmbH	Sound Tuning Method	12/109,786	25-Apr-2008
Harman Becker Automotive Systems GmbH	Magnetic Membrane Suspension	11/766,184	21-Jun-2007
Harman Becker Automotive Systems GmbH	Route Determination For A Hybrid Vehicle	11/692,876	28-Mar-2007
Harman Becker Automotive Systems GmbH	System For Calibrating A Hands-Free System	11/782,514	24-Jul-2007
Harman Becker Automotive Systems GmbH	Speech-Driven Selection Of An Audio File	11/674,108	12-Feb-2007
Harman Becker Automotive Systems GmbH	Speech-Driven Selection Of An Audio File	12/907,449	19-Oct-2010
Harman Becker Automotive Systems GmbH	Selection And Insertion Of Static Elements In Digital Maps	11/868,632	08-Oct-2007
Harman Becker Automotive Systems GmbH	Electronic Map Display System	11/779,438	18-Jul-2007
Harman Becker Automotive Systems GmbH	Terrain Modeling Based On Curved Surface Area	11/943,892	21-Nov-2007
Harman International Industries, Incorporated	Loudspeaker Mounting Assembly	11/697,226	05-Apr-2007
Harman Becker Automotive Systems GmbH	Audio Processing System	11/799,105	30-Apr-2007
Harman Becker Automotive Systems GmbH	Loudspeaker Spider	12/197,214	22-Aug-2008
Harman International Industries, Incorporated	Reduced Latency Low Frequency Equalization System	11/487,597	14-Jul-2006
Harman Becker Automotive Systems GmbH	Sound System Equalization	11/697,119	05-Apr-2007
Harman Becker Automotive Systems GmbH	Automatic Bass Management	12/240,464	29-Sep-2008
Harman International Industries, Incorporated	Instruction Processing Architecture for Avoiding Digital Signal Processor Pipeline Stalls	11/599,732	15-Nov-2006
Harman Becker Automotive Systems GmbH	Transmission of Text Messages by Navigation Systems	11/775,450	10-Jul-2007
Harman Becker Automotive Systems GmbH	Database Management Using Format Description	11/775,666	10-Jul-2007
Harman Becker Automotive Systems GmbH	Indexing Big Word Lists In Databases	11/752,418	23-May-2007
Harman Becker Automotive Systems GmbH	Anti Theft System	11/776,144	11-Jul-2007
Harman Becker Automotive Systems GmbH	Multifunction Input Device	11/710,602	23-Feb-2007
Harman Becker Automotive Systems GmbH	Switched Mode Amplifier	12/920,017	27-Aug-2010
Harman International Industries, Incorporated	Self-Cooling Electromagnetic Transducer	11/392,984	28-Mar-2006

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Harman Becker Automotive Systems GmbH	Audio Connection Testing System	11/761,786	12-Jun-2007
Harman Becker Automotive Systems GmbH	Signal Processing System Employing Time and Frequency Domain Partitioning	11/775,690	10-Jul-2007
Harman Becker Automotive Systems GmbH	System For Updating A Navigation Database	11/971,548	09-Jan-2008
Harman Becker Automotive Systems GmbH	Adjustment of Vehicular Elements by Speech Control	12/241,837	30-Sep-2008
Harman International Industries, Incorporated	Pointing Element Enhanced Speaker System	11/705,310	12-Feb-2007
Harman Becker Automotive Systems GmbH	Calibration Of Tracking Device	11/972,466	10-Jan-2008
Harman Becker Automotive Systems GmbH	Multilayer Circuit Board	12/889,582	24-Sep-2010
Harman Becker Automotive Systems GmbH	Vehicle Navigation System	11/874,802	18-Oct-2007
Harman Becker Automotive Systems GmbH	Electromagnetic Drive System	11/873,688	17-Oct-2007
Harman Becker Automotive Systems GmbH	Interleaved Printed Circuit Board	11/951,103	05-Dec-2007
Harman Becker Automotive Systems GmbH	Method For Imaging The Surrounding Of A Vehicle	11/844,890	24-Aug-2007
Harman Becker Automotive Systems GmbH	Video Compression System	11/873,051	16-Oct-2007
Harman Becker Automotive Systems GmbH	Objective Quantification Of Auditory Source Width Of A Loudspeakers - Room System	12/034,404	20-Feb-2008
Harman Becker Automotive Systems GmbH	System For Objective Qualification Of Listener Envelopment Of A Loudspeakers-Room Environment	12/032,386	15-Feb-2008
Harman Becker Automotive System GmbH	Extensible Infotainment/Telematics System Having Fixed Base Unit Control of a Portable Communications Device	12/026,253	05-Feb-2008
Harman Becker Automotive Systems GmbH	Extensible Infotainment/Telematics System	12/016,623	18-Jan-2008
Harman Becker Automotive Systems GmbH	Extensible Infotainment/Telematics System With Process Control Shifting	12/025,474	04-Feb-2008
Harman Becker Automotive Systems GmbH	Extensible Infotainment/Telematics System Having Updatable User Interface	12/027,040	06-Feb-2008
Harman Becker Automotive Systems GmbH	Travel Time Information System	11/939,474	13-Nov-2007
Harman Becker Automotive Systems GmbH	Video Image Presentation System	11/941,643	16-Nov-2007
Harman Becker Automotive Systems GmbH	System For Processing An Image Of A Surrounding Of A Vehicle	11/950,350	04-Dec-2007
Harman Becker Automotive Systems GmbH	Real Time Environment Model Generation System	12/416,030	31-Mar-2009
Harman International Industries, Incorporated	Fire Resistant Barrier	11/580,684	12-Oct-2006
Harman Becker Automotive Systems GmbH	REPRODUCING SYSTEM FOR USE WITH OPTICAL DRIVES	12/910,430	22-Oct-2010
Harman Becker Automotive Systems GmbH	Suppression of High-Frequency Perturbations in Pulse-Width Modulation	12/047,895	13-Mar-2008
Harman Becker Automotive Systems GmbH	Route Determination System	12/115,445	05-May-2008
Harman Becker Automotive Systems GmbH	Active Noise Control Using Bass Management	12/240,523	29-Sep-2008
Harman Becker Automotive Systems GmbH	Active Noise Control System	12/483,661	12-Jun-2009
Harman Becker Automotive Systems GmbH	Data Network With Time Synchronization System	12/244,744	02-Oct-2008
Harman Becker Automotive Systems GmbH	Electromagnetic Shielding Of A Connector Arrangement	12/359,988	26-Jan-2009
Harman Becker Automotive Systems GmbH	Method for Controlling a Navigation System	12/030,631	13-Feb-2008
Harman Becker Automotive Systems GmbH	Adaptive-Bass-Management	12/396,145	03-Mar-2009
Harman Becker Automotive Systems GmbH	Multifunctional Rotary Switch	12/106,923	21-Apr-2008

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Harman Becker Automotive Systems GmbH	Calibrating A Telephone Handsfree System	12/202,129	29-Aug-2008
Harman Becker Automotive Systems GmbH	Radio Receiver for Hybrid Broadcast Systems	12/013,333	11-Jan-2008
Harman Becker Automotive Systems GmbH	System for Conveying Information to a Vehicle Occupant	12/168,345	07-Jul-2008
Harman Becker Automotive Systems GmbH	Head-Mounted Display System	12/118,661	09-May-2008
Harman Becker Automotive Systems GmbH	Tracking System Using Radio Frequency Identification (RFI) Technology	12/199,334	27-Aug-2008
Harman International Industries, Incorporated	Dual Coil, Dual Gap Electromagnetic Transducer With Multiple Channel Amplifier	11/623,261	15-Jan-2007
Harman Becker Automotive Systems GmbH	Optoelectronic Interconnection System	12/691,731	21-Jan-2010
Harman Becker Automotive Systems GmbH	System for Evaluating an Image	12/184,977	01-Aug-2008
Harman Becker Automotive Systems GmbH	Portable Personal Navigaiton Device	12/112,934	30-Apr-2008
Harman International Industries, Incorporated	Loudspeaker Magnetic Flux Collection System	12/034,293	20-Feb-2008
JHarman Becker Automotive Systems GmbH	Adaptive Noise Control System	12/696,862	29-Jan-2010
Harman Becker Automotive Systems GmbH	Vehicle Illumination System	12/188,425	08-Aug-2008
Harman Becker Automotive Systems GmbH	Head Tracking System	12/168,587	07-Jul-2008
Harman Becker Automotive Systems GmbH	Controllable Cicuit	12/262,891	31-Oct-2008
Harman Becker Automotive Systems GmbH	System For Providing A Visual Information Of A Remote Location To A User Of A Vehicle	12/253,355	17-Oct-2008
Harman Becker Automotive Systems GmbH	Mixing System	12/269,391	12-Nov-2008
Harman Becker Automotive Systems GmbH	Sound System	12/238,033	25-Sep-2008
Harman International Industries, Incorporated	System for Active Noise Control Based on Audio System Output	12/421,459	09-Apr-2009
Harman International Industries, Incorporated	System for Active Noise Controlwith Audio Signal Compensation	12/275,118	20-Nov-2008
Harman International Industries, Incorporated	System for Active Noise Control with an Infinite Impluse Response Filter	12/425,997	17-Apr-2009
Harman Becker Automotive Systems GmbH	Route Determining System For A Vehicle With Navigation System	12/350,085	07-Jan-2009
Harman Becker Automotive Systems GmbH	Speaker Assembly Arrangement for a Vehicle and Method of Mounting a Speaker	12/463,820	11-May-2009
Harman Becker Automotive Systems GmbH	Method for Displaying Traffic Density Information	12/561,031	16-Sep-2009
Harman Becker Automotive Systems GmbH	Calculation of Energy Optimised in Route	12/488,386	19-Jun-2009
Harman Becker Automotive Systems GmbH	Navigation System	12/405,098	16-Mar-2009
Harman Becker Automotive Systems GmbH	Method For Providing A Traffic Pattern For Navigation Map Data and Navigation Map Data	12/407,668	19-Mar-2009
Harman International Industries, Incorporated	Dual CCompression Drivers and Phasing Plugs for Compression Drivers	12/895,606	30-Sep-2010
Harman Becker Automotive Systems GmbH	Electrical Load Detection Apparatus	12/431,368	8-Apr-2009
Harman Becker Automotive Systems GmbH	Loudness Adjustment with Self-Adaptive Gain Offsets	12/403,306	12-Mar-2009
Harman Becker Automotive Systems GmbH	Method and Devices for Assisting a Vehicle Driver	12/699,230	03-Feb-2010
Harman Becker Automotive Systems GmbH	Power Distribution Arrangement	12/512,648	30-Jul-2009
Harman Becker Automotive Systems GmbH	Fluid-Cooled Electronic Housing Assembly and System	12/605,307	23-Oct-2009
Harman Becker Automotive Systems GmbH	Sub-band Signal Processing	12/633,425	08-Dec-2009

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Harman International Industries, Incorporated	Multichannel Audio Ssystem Having Audio Channel Compensation	61/248,760	05-Oct-2009
Harman International Industries, Incorporated	Virtual Speaker Equalization System	12/897,707	04-Oct-2010
Harman International Industries, Incorporated	System for Spatial Extraction of Audio Signals	61/248,770	05-Oct-2009
Harman International Industries, Incorporated	System for Spatial Extraction of Audio Signals	12/897,709	04-Oct-2010
Harman Becker Automotive Systems GmbH	Method of Estimating a Propulsion-Related Operating Parameter	12/708,400	18-Feb-2010
Harman Becker Automotive Systems GmbH	Signal Analysis for an improved Detection of Noise from an Adjacent Channel	12/777,153	10-May-2010
Harman Becker Automotive System GmbH	System For Attenuating Noise in an Input Signal	12/727,045	18-Mar-2010
Harman Becker Automotive Systems GmbH	Text and Speech Recognition System Using Navigation Information	12/693,392	25-Jan-2010
Harman International Industries, Incorporated	Split Magnet for Loudspeaker	12/868,116	25-Aug-2010
Harman International Industries, Incorporated	Quiet Zone Control System	12/420,658	08-Apr-2009
Harman Becker Automotive Systems GmbH	Audio System Phase Equalization	12/917,604	02-Nov-2010
Harman International Industries, Incorporated	System and Method for Utilizing a Navigation Application Programming Interference	61/164,379	27-Mar-2009
Harman International Industries, Incorporated	System and Method for Utilizing a Navigation Application Programming Interference	12/749,298	29-Mar-2010
Harman International Industries, Incorporated	System For Active Noise Control with Adaptive Speaker Selection	12/466,282	14-May-2009
Harman Becker Automotive Systems GmbH	Start-Up of Computing Systems	12/722,468	11-Mar-2010
Harman Becker Automotive Systems GmbH	Navigation Update System For A Vehicle	12/856,346	13-Aug-2010
Harman Becker Automotive Systems GmbH	Edge Detection With Adaptive Treshold	12/846,297	29-Jul-2010
Harman International Industries, Incorporated	Spectral Management	61/174,837	01-May-2009
Harman International Industries, Incorporated	Spectral Management System	12/771,790	30-Apr-2010
Harman Becker Automotive Systems GmbH	Vehicle Computing Moduile	12/796,818	09-Jun-2010
Harman International Industries, Incorporated	Motional Feedback Optimization	61/165,240	31-Mar-2009
Harman International Industries, Incorporated	Motional Feedback Optimization	12/748,097	26-Mar-2010
Harman International Industries, Incorporated	Efficiency Optimized Audio System	61/179,239	18-May-2009
Harman International Industries, Incorporated	Efficiency Optimized Audio System	12/782,143	18-May-2010
Harman Internaitnal Industries, Incorporated	Software Updates via Digital Audio Media	12/579,393	14-Oct-2009
Harman International Industries, Incorporated	Audio/Video System	61/187,487	16-Jun-2009
Harman International Industries, Incorporated	Networked Audio/Video System	12/816,255	15-Jun-2010
Harman International Industries, Incorporated	System for Automated Generation of Audio/Video Control Interfaces	12/816,291	15-Jun-2010
Harman International Industries, Incorporated	Audio Console System	12/912,322	26-Oct-2010
Harman International Industries, Incorporated	Vehicle Navigation System	12/727,101	18-Mar-2010
Harman International Industries, Incorporated	Array Loudspeaker System	61/381,923	10-Sep-2010
Harman International Industries, Incorporated	Audio Systemwith Portable Audio Enhancement Device	12/619,676	16-Nov-2009
Harman International Industries, Incorporated	System for Simulated Multi-gear Vehicle Sound Generation	61/254,564	23-Oct-2009
Harman Internaitonal Industries, Incorporated	Audio Power Management System	12/725,941	17-Mar-2010
Harman International Industries, Incorporated	System for Memory Instanitiation and Management	61/314,373	16-Mar-2010

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Harman International Industries, Incorporated	Parameterized Macro for Instantiating BRAM (Block RAM) in Zilinx FPGA Designs	12/826,419	29-Jun-2010
Harman International Industries, Incorporated	AVB Media Clock Recovery for FPGA	12/874,836	02-Sep-2010
Harman International Industries, Incorporated	Audio/Video Packet Management System	61/314,263	16-Mar-2010
Harman International Industries, Incorporated	Wireless Theater System	61/309,835	02-Mar-2010
Harman International Industries, Incorporated	Extraction of Channels from Multichannel Signals Utilizing Stimulus	61/324,110	14-Apr-2010
Harman International Industries, Incorporated	Efficient Extraction of Left and Right from Multichannel Signals Utilizing MLS Stimulus	12/858,791	18-Aug-2010
Harman International Industries, Incorporated	Extraction of Channels from Multichannel Signals Utilizing Stimulus	12/858,791	18-Aug-2010
Harman International Industries, Incorporated	Automation of Configuration of Live Sound Software	61/374,520	17-Aug-2010
Harman International Industries, Incorporated	High Efficiency Class D Amplifier	12/885,141	17-Sep-2010
Harman Becker Automotive Systems GmbH	High Efficiency Audio Amplifier System	61/354,565	14-Jun-2010
Harman International Industries, Incorporated	Mixed Phase, Real Time Automatic Room EQ	12/895413	30-Sep-2010
Harman International Industries, Incorporated	Speaker and Mixer Assembly	61/391,792	11-Oct-2010
Harman International Industries, Incorporated	Low-Distortion Audio Amplifier Circuit Arrangement	708,171	04-Mar-1985
Harman Becker Automotive Systems GmbH	Apparatus For Selecting A Receiver Among A Plurality Of Receivers In A Diversity Receiver System Based Upon Automatic Gain Correction	11/541,916	02-Oct-2006
Harman Becker Automotive Systems GmbH	Local Video and Audio Network with Optical Data line	12/267,978	10-Nov-2008
Harman Becker Automotive Systems GmbH	2006 20-Nov-2021 Door with Structural Components Configured to Radiate Acoustic Energy	11/500,157	07-Aug-2006
Harman International Industries, Incorporated	Generalized Method Of Paralleling Voltage Amplifier	09/329759	10-Jun-1999
Harman Becker Automotive Systems GmbH	Motor Vehicle Sound Reproduction And Sound recording Device	09/648778	28-Aug-2000
Harman Becker Automotive Systems GmbH	System For Receiving And Processing A Packet Of Compressed Data	09/648,412	25-Aug-2000
Harman Becker Automotive Systems GmbH	System For Data Exchnage In A Vehicle Multimedia System	10/642,453	15-Aug-2003
Harman Becker Automotive Systems GmbH	Antenna And Frequency Diversity Receiving Apparatus	11/865,347	01-Oct-2007
Harman Becker Automotive Systems GmbH	Processing Different Graphic Data Network With A Single Bit Stream Decoder	09/748702	21-Dec-2000
Harman Becker Automotive Systems GmbH	Digital Transcoding System	11/519,461	11-Sep-2006
Harman International Industries, Incorporated	Audio And Charging Station For A Handheld Electronic Device	29/249,060	18-Sep-2006
Harman International Industries, Incorporated	Vehicle Media System	11/478,319	28-Jun-2006
Harman International Industries, Incorporated	Loudspeaker Mounting Assembly	11/697,226	05-Apr-2007
Harman International Industries, Incorporated	In-Wall Subwoofer System With High Volume Dispalcement	11/541487	30-Sep-2006
Harman International Industries, Incorporated	Variable Impedance Voice Coil Loudspeaker	11/746,538	09-May-2007
Harman International Industries, Incorporated	Audio Control System For A Vehicle	11/788,234	19-Apr-2007
Harman International Industries, Incorporated	Headphone Accessory	12/266,228	06-Nov-2008

<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
Harman International Industries, Incorporated	Modular Headphone System	61/110,431	31-Oct-2009
Harman International Industries, Incorporated	Modular Headphone System	12/609,791	30-Oct-2009
Harman International Industries, Incorporated	High Output Subwoofer	11/676,201	16-Feb-2007
Harman International Industries, Incorporated	Isochronous Audio Network Software Interface	10/578,766	05-May-2006
Harman International Industries, Incorporated	Audio Amplifier Local Interface System	10/866,553	10-Jun-2004
Harman International Industries, Incorporated	System For Dynamic Time Offsetting In Interleaved Power Amplifiers	11/283,035	18-Nov-2005
Harman International Industries, Incorporated	Automatic Zero Voltage Switching Mode Controller	12/116,794	07-May-2008
Harman International Industries, Incorporated	Generalized Method Of Paralleling Voltage Amplifier	09/329759	10-Jun-1999
Harman International Industries, Incorporated	Combined Power And Audio Dock For Handheld Device	12/036,159	22-Feb-2008
Harman International Industries, Incorporated	System for Elimination of Acoustic Feedback	12/612,564,	04-Nov-2009,
Harman Becker Automotive Systems GmbH	Image Display System	11/182,526	15-Jul-2005
Harman International Industries, Incorporated	System For Node Structure Discovery In An Audio Related System	11/090,665	25-Mar-2005
Harman International Industries, Incorporated	Audio Related System Link Management	11/090,542	25-Mar-2005
Harman International Industries, Incorporated	Audio Related System Communication Protocol	11/089,889	25-Mar-2005
Harman International Industries, Incorporated	System For Simulating Sound Engineering Effects	11/031,049	06-Jan-2005
Harman International Industries, Incorporated	Self Annealing Auto-Expanding Network	11/385,635	21-Mar-2006
Harman International Industries, Incorporated	Dynamic Instruction And Data Updating Architecture	11/599,967	15-Nov-2006
Harman International Industries, Incorporated	Instruction Processing Architecture for Avoiding Digital Signal Processor Pipeline Stalls	11/599732	15-Nov-2006
Harman International Industries, Incorporated	Pointing Element Enhanced Speaker System	11/705,310	12-Feb-2007
Harman International Industries, Incorporated	External Memory Interface Engine	11/771,764	29-Jun-2007
Harman International Industries, Incorporated	Serial Communication Input Output Interface Engine	11/771,743	29-Jun-2007
Harman International Industries, Incorporated	System Including Device for Securing The States Of Electronic Controls	12/104,975	18-Apr-2008
Harman International Industries, Incorporated	Mid-Keyboard-Monitor Computer-Based Audio I/O Device	12/329,563	06-Dec-2008
Harman International Industries, Incorporated	Acoustically Enhanced Electro-Dynamic Loudspeakers	11/039,476	19-Jan-2005
Harman International Industries, Incorporated	Sound Processing System Using Spatial Imaging Techniques	11/299592	12-Dec-2005
Harman International Industries, Incorporated	Loudspeaker System For Virtual Sound Synthesis	11/969,149	03-Jan-2008
Harman International Industries, Incorporated	Distortion Compensation System	11/305,498	15-Dec-2005

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	Update System System For An Audio Amplifier	11/176,607	07-Jul-2005
Harman International Industries, Incorporated	Adaptive Navigation System With Artificial Intelligence	10/703,290	07-Nov-2003
Harman International Industries, Incorporated	Sound Processing System For Configuration Of Audio Signals In A Vehicle	12/197,973	25-Aug-2008
Harman International Industries, Incorporated	Vehicle Loudspeaker Array	11/133,846	19-May-2005
Harman International Industries, Incorporated	Spatial Array Monitoring System	11/273,876	15-Nov-2005
Harman International Industries, Incorporated	Loudspeaker Plastic Cone Body	11/286,872	22-Nov-2005
Harman International Industries, Incorporated	Directional Loudspeaker To Reduce Direct Sound	11/697,088	05-Apr-2007
Harman International Industries, Incorporated	Electro Dynamic Planar Loudspeaker	11/405,856	18-Apr-2006
Harman International Industries, Incorporated	Loudspeakers Having An Interlocking Magnetic Structure	11/386,359	22-Mar-2006
Harman International Industries, Incorporated	Multiple Magnet Loudspeaker	11/471,966	21-Jun-2006
Harman International Industries, Incorporated	Audio Tuning System	11/496,355	31-Jul-2006
Harman International Industries, Incorporated	System For High Definition Radio Blending	11/454,997	16-Jun-2006
Harman International Industries, Incorporated	Audio Correlation System For High Definition Radio Blending	11/583,966	18-Oct-2006
Harman International Industries, Incorporated	Speaker Assembly with Mounting Plate	11/541,980	02-Oct-2006
Harman International Industries, Incorporated	Heat Sink Clamping Apparatus	11/607,219	01-Dec-2006
Harman International Industries, Incorporated	Method And Apparatus For Selectively Extracting Components Of An Input Signal	11/412,784	28-Apr-2006
Harman International Industries, Incorporated	Apparatus Extracting and Changing the Reverberant Content of an Input Signal	11/533,707	20-Sep-2006
Harman International Industries, Incorporated	System for Modifying an Acoustic Space with Audio Source Content	12/054,388	25-Mar-2008
Harman International Industries, Incorporated	Push Button Tester	11/685,705	13-Mar-2007
Harman International Industries, Incorporated	Command Interface	11/960,647	19-Dec-2007
Harman International Industries, Incorporated	Vehicle Infotainment System With Personalized Content	11/960,589	19-Dec-2007
Harman International Industries, Incorporated	Vehicle Infotainment System With Personalized Content	12/210,884	15-Sep-2008
Harman International Industries, Incorporated	Loudspeaker Cone Body	12/209,482	12-Sep-2008
Harman International Industries, Incorporated	Loudspeaker Cone Body	61/096,509	12-Sep-2008
Harman International Industries, Incorporated	Multiple Magnet Loudspeaker	11/940,019	14-Nov-2007
Harman International Industries, Incorporated	Phase Plug For Direct Radiating Speaker	61/088,882	14-Aug-2008
Harman International Industries, Incorporated	Phase Plug and Acoustic Lens for Direct Radiating Loudspeaker	12/598,177	29-Oct-2009
Harman International Industries, Incorporated	System For A Text Speller	12/131,682	02-Jun-2008
Harman International Industries, Incorporated	System for Active Noise Control with Audio Signal Compensation	12/275,118	20-Nov-2008
Harman International Industries, Incorporated	System for Active Noise Control With parallel Adaptive Filter Configuration	12/352,435	12-Jan-2008

Registered Owner	Patent	Application Number	File Date
Harman International Industries, Incorporated	System for Broadcast Information Database	12/368,802	10-Feb-2009
Harman International Industries, Incorporated	Bi-Directional Adjustable Current Source	12/391,133	23-Feb-2009
Harman International Industries, Incorporated	Vehicular Digital Audio Recorder User Interface	12/400,647	09-Mar-2009
Harman International Industries, Incorporated	Vehicular Digital Audio Recorder Energy Usage Monitor	12/400,650	09-Mar-2009
Harman International Industries, Incorporated	Tunable Response Transducer	06/497,062	23-May-1983
Harman International Industries, Incorporated	Automotive Sound System	06/752,058	05-Jul-1985
Harman International Industries, Incorporated	Method Of Manufacturing A Loudspeaker Spider	08/162,866	03-Dec-1993
Harman International Industries, Incorporated	Statistical Analysis Of Potential Audio System Configurations	10/684,222	10-Oct-2003
Harman International Industries, Incorporated	System and Method For Audio System Configuration	10/964,229	12-Oct-2004
Harman International Industries, Incorporated	System For Selecting Correction Factors For An Audio System	10/684,152	10-Oct-2003
Harman International Industries, Incorporated	System For Selecting Speaker Locations In An Audio System	10/684,043	10-Oct-2003
Harman International Industries, Incorporated	Method For Predicting Loudspeaker Port Performance And Optimizing Loudspeaker Port Designs Utilizing Bi-Directional Fluid Flow Principles	11/205,773	16-Aug-2005
Harman International Industries, Incorporated	Method For Prediting Loudspeaker Preference	11/071,371	02-Mar-2005
Harman International Industries, Incorporated	Equalization System To Improve The Quality Of Bass Sounds Within A Listening Area	11/026,773	30-Dec-2004
Harman International Industries, Incorporated	Media System Having Preemptive Digital Audio And/Or Video Extraction Function	11/402,297	11-Apr-2006
Harman International Industries, Incorporated	Loudspeaker Array Enabling Surround Sound	10/771,190	02-Feb-2004
Harman International Industries, Incorporated	Loudspeaker Array System	10/935,929	08-Sep-2004
Harman International Industries, Incorporated	Loudspeaker Crossover Filter	11/123,449	05-May-2005
Harman International Industries, Incorporated	Wide Band Equalization System	12/293,062	14-Mar-2007
Harman International Industries, Incorporated	Reduced Latency Low Frequency Equalization System	11/487,597	14-Jul-2007
Harman International Industries, Incorporated	Spatial Processing Of Stereo System	11/951,964	06-Dec-2007
Harman International Industries, Incorporated	Class-D Transconductance Amplifier	12/046,338	11-Mar-2008
Harman International Industries, Incorporated	Mid-Range Loudspeaker	11/288,988	28-Nov-2005
Harman International Industries, Incorporated	Self-Diagnostic System For Monitoring Electrical Equipment	09/949,107	07-Sep-2001
Harman International Industries, Incorporated	Rigging System For Line Array Speakers	11/929,524	30-Oct-2007
Harman International Industries, Incorporated	Constant Coverage Waveguide	10/046,404	14-Jan-2002
Harman International Industries, Incorporated	Ambient Noise Sound Level Compensation	11/944,016	21-Nov-2007
Harman International Industries, Incorporated	Ambient Noise Sound Level Compensation	11/757,798	04-Jun-2007



<b>Registered Owner</b>	<b>Patent</b>	<b>Application Number</b>	<b>File Date</b>
Harman International Industries, Incorporated	System For Automatic Compensation Of Low Frequency Audio Based On Human Loudness Perceptual Models	10/853,828	26-May-2004
Harman International Industries, Incorporated	Suspension System	12/402,348	11-Mar-2009
Harman International Industries, Incorporated	Phasing Plug For A Compression Driver	11/317,654	22-Dec-2005
Harman International Industries, Incorporated	Self-Calibrating Loudspeaker System	12/065,479	29-Feb-2008
Harman International Industries, Incorporated	Self-Cooling Electromagnetic Transducer	11/392,984	28-Mar-2006
Harman International Industries, Incorporated	Extended Multiple Gap Motors For Electromagnetic Transducers	11/519,196	11-Sep-2006
Harman International Industries, Incorporated	Fire Resistant Barrier	11/580,684	12-Oct-2006
Harman International Industries, Incorporated	Dual Coil, Dual Gap Electromagnetic Transducer With Multiple Channel Amplifier	11/623,261	15-Jan-2007
Harman International Industries, Incorporated	Phasing Plug	12/137,215	11-Jun-2008
Harman International Industries, Incorporated	Waveguide	12/141,013	17-Jun-2008
Harman International Industries, Incorporated	Passive Group Delay Beam Forming	61/143,336	08-Jan-2009
Harman International Industries, Incorporated	Passive Group Delay Beam Forming	2/684,598	08-Jan-2010
Harman International Industries, Incorporated	Sound-Damping Laminate For Loudspeaker Structure	11/955,232	12-Dec-2007
Harman International Industries, Incorporated	Artificial Ambiance Processing System	11/331,370	12-Jan-2006
Harman International Industries, Incorporated	Artificial Ambiance Processing System	11/331,402	12-Jan-2006
Harman International Industries, Incorporated	Multichannel Downmixing Device	12/243,746	01-Oct-2008
Harman International Industries, Incorporated	Enhanced Presentation Of Subpicture Information	11/846,836	29-Aug-2007
Harman International Industries, Incorporated	Audio Only Playback of a Disk having Both Audio and Video Recordings	12/172,929	14-Jul-2008
Harman International Industries, Incorporated	Audio/Visual Server	10/881,549	30-Jun-2004
Harman International Industries, Incorporated	Personal Device-To-Device Network	09/955,665	19-Sep-2001
Harman International Industries, Incorporated	User Interface for Multifunctional Device	11/966,783	28-Dec-2007
Harman International Industries, Incorporated	User Interface for Multifunction Device	11/969,406	04-Jan-2008
Harman International Industries, Incorporated	Multimedia Object Grouping, Selection, And Playback System	11/650,033	05-Jan-2008
Harman International Industries, Incorporated	Heuristic Organization And Playback System	11/747,119	10-May-2007
Harman International Industries, Incorporated	Dynamic Creation & Interaction with a Custom Music Stream	61/084,867	30-Jul-2008



## I. Trademarks

Registered Owner	Mark	Registration Number
Harman International Industries, Incorporated	BASSLINK (wordmark)	2499066
Harman International Industries, Incorporated	AKG (new logo)	3671414
Harman International Industries, Incorporated	R REVEL (LOGO)	3047320
Harman International Industries, Incorporated	REVEL	2157592
Harman International Industries, Incorporated	SOUNDCRAFT Vi6	3,535,598
Harman International Industries, Incorporated	INFINITY & DESIGN	1409283
Harman International Industries, Incorporated	INFINITY (wordmark)	1385113
Harman International Industries, Incorporated	INTERMEZZO (wordmark)	2446701
Harman International Industries, Incorporated	MISCELLANEOUS DESIGN	1130709
Harman International Industries, Incorporated	OUTRIGGER (wordmark)	1994159
Harman International Industries, Incorporated	PLUS ONE (wordmark)	2475906
Harman International Industries, Incorporated	R.A.B.O.S. (wordmark)	2523169
Harman International Industries, Incorporated	GRAND TOURING	2050663
Harman International Industries, Incorporated	INFINITY & DESIGN	1494051
Harman International Industries, Incorporated	BCA (wordmark)	2166304
Harman International Industries, Incorporated	COM-TECH (wordmark)	1628028
Harman International Industries, Incorporated	CROWN (STYLIZED)	1137593
Harman International Industries, Incorporated	CROWN (wordmark)	1241893
Harman International Industries, Incorporated	CROWN (wordmark)	1689943
Harman International Industries, Incorporated	CROWN DESIGN	1140244
Harman International Industries, Incorporated	DATAFRAME (wordmark)	1747700
Harman International Industries, Incorporated	DBC (wordmark)	2979406
Harman International Industries, Incorporated	DC300 (wordmark)	1151524
Harman International Industries, Incorporated	IOC (wordmark)	1132609
Harman International Industries, Incorporated	IQ SYSTEM (wordmark)	1,617,393
Harman International Industries, Incorporated	MACRO-TECH (wordmark)	1529417
Harman International Industries, Incorporated	MICRO-TECH (wordmark)	1350422
Harman International Industries, Incorporated	MULTI-MODE	1,229,018
Harman International Industries, Incorporated	ODEP (wordmark)	1,632,187
Harman International Industries, Incorporated	PCC (wordmark)	1351515
Harman International Industries, Incorporated	PHASE COHERENT CARDIOID (wordmark)	1379816
Harman International Industries, Incorporated	PRESSURE ZONE MICROPHONE (wordmark)	1227096
Harman International Industries, Incorporated	PZM (wordmark)	1,181,962
Harman International Industries, Incorporated	SASS (wordmark)	1623481
Harman International Industries, Incorporated	ULTRA-TECH (wordmark)	2427814

<b>Registered Owner</b>	<b>Mark</b>	<b>Registration Number</b>
Harman International Industries, Incorporated	VZ (wordmark)	1,704,166
Harman International Industries, Incorporated	DIFFEROID (wordmark)	1486816
Harman International Industries, Incorporated	IQ (wordmark)	2108109
Harman International Industries, Incorporated	P.I.P. (wordmark)	1478359
Harman International Industries, Incorporated	POWER BASE-1 (STYLIZED)	1442930
Harman International Industries, Incorporated	HARMAN KARDON (wordmark)	3,538,619
Harman International Industries, Incorporated	CITATION	700449
Harman International Industries, Incorporated	EZSET	3087064
Harman International Industries, Incorporated	EZSET/EQ & Design	3245376
Harman International Industries, Incorporated	EZSET+	3087065
Harman International Industries, Incorporated	HARDWIRE	3,778,803
Harman International Industries, Incorporated	HARMAN/KARDON (wordmark)	1166266
Harman International Industries, Incorporated	HARMAN/KARDON	3,600,183
Harman International Industries, Incorporated	HARMAN/KARDON (wordmark)	1552645
Harman International Industries, Incorporated	HARMONYMAN	3842004
Harman International Industries, Incorporated	HI LOGO	1546807
Harman International Industries, Incorporated	HK LOGO	1377965
Harman International Industries, Incorporated	POWER FOR THE DIGITAL REVOLUTION (wordmark)	2406957
Harman International Industries, Incorporated	TAKE CONTROL (wordmark)	2308718
Harman International Industries, Incorporated	BECKER (wordmark)	2929086
Harman International Industries, Incorporated	BECKER (wordmark)	2,970,922
Harman International Industries, Incorporated	HARMAN INTERNATIONAL (wordmark)	2503475
Harman International Industries, Incorporated	HI (H WITH "I" IN THE CENTER OF THE "H")	1794712
Harman International Industries, Incorporated	ODYSSEY (Authorization for Work Required)	2756564
Harman International Industries, Incorporated	OLD JBL LOGO	0803793
Harman International Industries, Incorporated	OMNIDRIVE	2012429
Harman International Industries, Incorporated	AUDIODNA (wordmark)	2623517
Harman International Industries, Incorporated	DBX (wordmark)	1320432
Harman International Industries, Incorporated	DIGIDELAY (wordmark)	2915049
Harman International Industries, Incorporated	DOUBLEFLEX (wordmark)	2,972,640
Harman International Industries, Incorporated	DRIVERACK (wordmark)	3,647,446
Harman International Industries, Incorporated	DIGITECH (wordmark)	1581245
Harman International Industries, Incorporated	DIGITECH WHAMMY (wordmark)	2919297
Harman International Industries, Incorporated	DIGIVERB (wordmark)	2776877
Harman International Industries, Incorporated	DOD (wordmark)	1581244
Harman International Industries, Incorporated	GNX (wordmark)	2735693
Harman International Industries, Incorporated	GRUNGE (wordmark)	2807478
Harman International Industries, Incorporated	GUITAR WORKSTATION (wordmark)	2949492
Harman International Industries, Incorporated	HIQNET & "Q" Logo (on top)	3596538

Registered Owner	Mark	Registration Number
Harman International Industries, Incorporated	HIQNET & "Q" Logo (to the left of mark)	3406616
Harman International Industries, Incorporated	HIQNET (plain block text)	3,605,026
Harman International Industries, Incorporated	INFINITY INTERMEZZO	3442161
Harman International Industries, Incorporated	JAM MAN (wordmark)	1869340
Harman International Industries, Incorporated	LOGIC7 UPMIX (wordmark)	2854959
Harman International Industries, Incorporated	MAIN SQUEEZE (wordmark)	2745228
Harman International Industries, Incorporated	MINIDRIVE (wordmark)	2993565
Harman International Industries, Incorporated	MULTI CHORUS (wordmark)	2799206
Harman International Industries, Incorporated	PEAKPLUS (wordmark)	2396126
Harman International Industries, Incorporated	PRO TRACKS (wordmark)	2919863
Harman International Industries, Incorporated	S-DISC (wordmark)	1884253
Harman International Industries, Incorporated	SYNTH WAH (wordmark)	2801375
Harman International Industries, Incorporated	TALKER (wordmark)	2472300
Harman International Industries, Incorporated	TONE DRIVER (wordmark)	2726030
Harman International Industries, Incorporated	TURBO FLANGE (wordmark)	2801374
Harman International Industries, Incorporated	TYPE III (wordmark)	2250061
Harman International Industries, Incorporated	TYPE IV (wordmark)	2265325
Harman International Industries, Incorporated	VOCALIST (wordmark)	2665018
Harman International Industries, Incorporated	X-SERIES	3134146
Harman International Industries, Incorporated	ZONEPRO	3395779
Harman International Industries, Incorporated	AUTOWARMTH (wordmark)	2547937
Harman International Industries, Incorporated	BSS (wordmark)	2016964
Harman International Industries, Incorporated	DBX	1032613
Harman International Industries, Incorporated	DBX	2036492
Harman International Industries, Incorporated	OVEREASY	1148795
Harman International Industries, Incorporated	PEAKSTOPPLUS (wordmark)	2152801
Harman International Industries, Incorporated	SOUNDWEB (wordmark)	2106748
Harman International Industries, Incorporated	BASS OPTIMIZATION SYSTEM (wordmark)	2470743
Harman International Industries, Incorporated	CMMD (wordmark)	2574174
Harman International Industries, Incorporated	EMIT (wordmark)	1,613,622
Harman International Industries, Incorporated	ERS (wordmark)	1,628,149
Harman International Industries, Incorporated	INFINITY (covering automobile navigation aid) (wordmark)	2925712
Harman International Industries, Incorporated	INFINITY (wordmark)	2929639
Harman International Industries, Incorporated	INFINITY (wordmark)	1130710
Harman International Industries, Incorporated	INFINITY LOGO	1385112
Harman International Industries, Incorporated	INFINITY PRIMUS (wordmark)	2846757
Harman International Industries, Incorporated	KAPPA	1698844
Harman International Industries, Incorporated	KAPPA PERFECT (wordmark)	2960882
Harman International Industries, Incorporated	KAPPA PERFECT LOGO	3058130

<b>Registered Owner</b>	<b>Mark</b>	<b>Registration Number</b>
Harman International Industries, Incorporated	MMD (wordmark)	2880299
Harman International Industries, Incorporated	MODULUS (wordmark)	1628148
Harman International Industries, Incorporated	PLUS ONE + (wordmark)	2887650
Harman International Industries, Incorporated	PRELUDE (wordmark)	2234474
Harman International Industries, Incorporated	TOTAL SOLUTIONS & Logo (Infinity Logo)	2915241
Harman International Industries, Incorporated	TOTAL SOLUTIONS (BLOCK LETTERS) (wordmark)	2872845
Harman International Industries, Incorporated	AUDIOACCESS (wordmark)	1842812
Harman International Industries, Incorporated	BI-RADIAL (wordmark)	1576056
Harman International Industries, Incorporated	JBL BASS Q & DESIGN	2,921,042
Harman International Industries, Incorporated	JBL SYNTHESIS (STYLIZED)	2853443
Harman International Industries, Incorporated	POWER SERIES (wordmark)	2210832
Harman International Industries, Incorporated	SOUNDPOINT (wordmark)	2579310
Harman International Industries, Incorporated	SYNTHESIS (wordmark)	1378917
Harman International Industries, Incorporated	HOW TO LISTEN (wordmark)	2082469
Harman International Industries, Incorporated	JBL (wordmark)	782327
Harman International Industries, Incorporated	ULTIMA GEM (wordmark)	2472125
Harman International Industries, Incorporated	ULTIMA SALON (wordmark)	2472126
Harman International Industries, Incorporated	ULTIMA STUDIO (wordmark)	2472121
Harman International Industries, Incorporated	UREI	1794731
Harman International Industries, Incorporated	VARICURVE (wordmark)	1723491
Harman International Industries, Incorporated	VARIMOTION (wordmark)	2,799,168
Harman International Industries, Incorporated	VISTONICS (wordmark)	2789776
Harman International Industries, Incorporated	AUDIO DIGITAL & Design	1769777
Harman International Industries, Incorporated	CABARET (wordmark)	1167108
Harman International Industries, Incorporated	CONTROL	1613674
Harman International Industries, Incorporated	INVISIBALL (wordmark)	2173406
Harman International Industries, Incorporated	JBL DRIVEPACK (wordmark)	3002530
Harman International Industries, Incorporated	JBL PLYMAX (wordmark)	3002531
Harman International Industries, Incorporated	PRECISION DIRECTIVITY (wordmark)	2908989
Harman International Industries, Incorporated	RADIATION BOUNDARY INTEGRATOR (wordmark)	2828208
Harman International Industries, Incorporated	SCREENARRAY (wordmark)	2472301
Harman International Industries, Incorporated	SOUNDZONE (wordmark)	2446850
Harman International Industries, Incorporated	VERTEC (wordmark)	2754979
Harman International Industries, Incorporated	WEATHERMAX (wordmark)	2887452
Harman International Industries, Incorporated	EON	2018236
Harman International Industries, Incorporated	EON	3736572
Harman International Industries, Incorporated	THERMOMASTER (wordmark)	2140874
Harman International Industries, Incorporated	TOTAL THERMAL MANAGEMENT SYSTEM (wordmark)	2099835
Harman International Industries, Incorporated	L7 LOGIC 7 LOGO	2698186

<b>Registered Owner</b>	<b>Mark</b>	<b>Registration Number</b>
Harman International Industries, Incorporated	LARES ((wordmark)	2730807
Harman International Industries, Incorporated	LEXICHIP (wordmark)	2643786
Harman International Industries, Incorporated	LEXICON (wordmark)	1155393
Harman International Industries, Incorporated	LOGIC 7 (wordmark)	2858235
Harman International Industries, Incorporated	LOGIC 7 (wordmark)	2177392
Harman International Industries, Incorporated	MARK LEVINSON (LOGO)	1143174
Harman International Industries, Incorporated	MARK LEVINSON (LOGO)	1,218,242
Harman International Industries, Incorporated	MARK LEVINSON (wordmark)	1,130,740
Harman International Industries, Incorporated	MARK LEVINSON (wordmark)	1,218,241
Harman International Industries, Incorporated	MARK LEVINSON (new logo)	3735997
Harman International Industries, Incorporated	CREATURE (wordmark)	2696773
Harman International Industries, Incorporated	DUET	3,495,979
Harman International Industries, Incorporated	JBL ENCOUNTER Logo	3107521
Harman International Industries, Incorporated	JBL LOGO & ON STAGE	3027602
Harman International Industries, Incorporated	JBL LOGO & ON TIME	3121896
Harman International Industries, Incorporated	JBL LOGO & ON TOUR	3,026,171
Harman International Industries, Incorporated	JBL ON STAGE (WORDMARK)	3397212
Harman International Industries, Incorporated	JBL ON TOUR (block letters)	3175423
Harman International Industries, Incorporated	SOUNDSTICKS (wordmark)	2453914
Harman International Industries, Incorporated	Design (Horn with Feet)	2642406
Harman International Industries, Incorporated	PHATBOX (wordmark)	2703866
Harman International Industries, Incorporated	PHATNOISE (wordmark)	2656105
Harman International Industries, Incorporated	PHATNOISE (wordmark)	2625630
Harman International Industries, Incorporated	JBL (WORDMARK)	2602354
Harman International Industries, Incorporated	JBL (wordmark)	3389444
Harman International Industries, Incorporated	JBL LOGO	861616
Harman International Industries, Incorporated	JBL LOGO	880890
Harman International Industries, Incorporated	OLD JBL LOGO	803793
Harman International Industries, Incorporated	VENUE	3487465
Harman International Industries, Incorporated	DIFFERENTIAL DRIVE	2049652
Harman International Industries, Incorporated	JBL (WORDMARK)	883096

## **II. Trademark Applications**

<b>Applicant</b>	<b>Mark</b>	<b>Application Number</b>
Harman International Industries, Incorporated	HARMAN ECOTAINMENT	85/037902
Harman International Industries, Incorporated	HARMAN	77/954625
Harman International Industries, Incorporated	CITATION	85/078661

<b>Applicant</b>	<b>Mark</b>	<b>Application Number</b>
Harman International Industries, Incorporated	BECKER TRAFFIC ASSIST	78/731995
Harman International Industries, Incorporated	BECKER TRAFFIC ASSIST PRO	78/732029
Harman International Industries, Incorporated	DRIVECORE	77/944627
Harman International Industries, Incorporated	GREENEDGE ECOTAINMENT	85/037885
Harman International Industries, Incorporated	GREENEDGE	77/542654
Harman International Industries, Incorporated	DRIVERACK (wordmark)	77/633836
Harman International Industries, Incorporated	HALOSONIC	85/003473
Harman International Industries, Incorporated	HATS	77/854913
Harman International Industries, Incorporated	INFINITY	85/166659
Harman International Industries, Incorporated	INFINITY LOGO	85/167094
Harman International Industries, Incorporated	JAMMANAGER	85/145437
Harman International Industries, Incorporated	Design (Horn)	78/691304
Harman International Industries, Incorporated	JBL	77/020235
Harman International Industries, Incorporated	JBL	77/020238
Harman International Industries, Incorporated	JBL	77/019780
Harman International Industries, Incorporated	PEAK X	77/945278
Harman International Industries, Incorporated	PURE BAND	77/944615
Harman International Industries, Incorporated	Quantum Logic Logo (design only)	85/155575
Harman International Industries Incorporated	QUANTUMLOGIC	85/035797
Harman International Industries Incorporated	SIGNAL DOCTOR	85/035768
Harman International Industries Incorporated	SOUND REWARDS	77/929084
Harman International Industries Incorporated	TUNES & TURNS REWARDS	85/146785