

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
NEUSTAR, INC.		01/22/2013	CORPORATION: DELAWARE
NEUSTAR IP INTELLIGENCE, INC.		01/22/2013	CORPORATION: DELAWARE
ULTRADNS CORPORATION		01/22/2013	CORPORATION: DELAWARE
NEUSTAR INFORMATION SERVICES, INC.		01/22/2013	CORPORATION: DELAWARE
NEUSTAR DATA SERVICES, INC.		01/22/2013	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	MORGAN STANLEY SENIOR FUNDING, INC.
Street Address:	1 NEW YORK PLAZA, 41ST FLOOR
Internal Address:	ATTN: AGENCY TEAM
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10004
Entity Type:	CORPORATION: DELAWARE

PROPERTY NUMBERS Total: 74

Property Type	Number	Word Mark
Registration Number:	3438033	ON-DEMAND LEAD VERIFICATION
Registration Number:	3446582	TARGUSINFO ON-DEMAND DATA
Registration Number:	2659443	TARGUSINFO
Registration Number:	3541072	ITACT
Registration Number:	3570463	FIRSTPASS ADVISOR
Registration Number:	3578176	ON-DEMAND IDENTIFICATION
Registration Number:	3578177	ON-DEMAND VERIFICATION
Registration Number:	3547605	LOCATIONID
Registration Number:	3534833	TELEPASS

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Registration Number:	3547615	CUSTOMERCOMPLETE
Registration Number:	3547616	CALLERCOMPLETE
Registration Number:	3547617	SHOPPERCOMPLETE
Registration Number:	3547618	SECONDDAPPROACH
Registration Number:	3547619	CALLERINSIGHT
Registration Number:	3547679	ELEMENTONE
Registration Number:	3566144	LEADADVISOR
Registration Number:	3636191	ELEMENTONE
Registration Number:	3918472	IPAS
Registration Number:	3769527	ADADVISOR
Registration Number:	3718099	ON-DEMAND INSIGHT
Registration Number:	3888229	ON-DEMAND INFORMATION
Registration Number:	3809169	BUSINESS REACH
Registration Number:	3760585	BATCHCOMPLETE
Registration Number:	3996115	INFOZONE
Serial Number:	85063404	SEEWHO
Serial Number:	85380427	MANAGED
Serial Number:	85527093	IAN
Serial Number:	85527106	PAGEADVISOR
Serial Number:	85544831	CONSUMERREACH
Serial Number:	85708841	ACCOUNTLINK
Registration Number:	3331430	LOCALEZE
Registration Number:	2729224	AMACAI
Registration Number:	3203185	NEW MOVERS ON DEMAND
Registration Number:	3527090	NEW BUSINESSES ON DEMAND
Registration Number:	3830553	PURE APPEND PRO
Registration Number:	2699861	AMERICA'S INTERNET ADDRESS
Registration Number:	2921997	KIDS.US PLAY. LEARN. SURF.
Registration Number:	2918237	KIDS.US
Registration Number:	2912308	TRUSTED TO BRING NETWORKS TOGETHER
Registration Number:	2510765	NUMBERMANAGER
Registration Number:	2196447	ORDERPATH
Registration Number:	2525756	NEUSTAR
Registration Number:	3035697	NEUSTAR
Registration Number:	3773538	NEUSTAR

	3252515	SIP-IX
Registration Number:	3741210	NEUSTAR
Registration Number:	3559065	NEUSTAR
Registration Number:	3768328	PORT DR
Registration Number:	3775468	PORT DR
Registration Number:	3343135	NEUSTAR
Registration Number:	2019140	METAINFO
Registration Number:	2389344	META IP
Registration Number:	3711287	CACHE DEFENDER
Registration Number:	3789020	ECOSYSTEM MANAGEMENT
Registration Number:	3795217	.US
Registration Number:	3872035	NEUSTAR
Registration Number:	4036487	.BIZ
Registration Number:	4102975	BETTER NAME. BETTER RESULTS.
Registration Number:	3179222	WEBMETRICS
Serial Number:	85310228	NEUSHIELD
Serial Number:	85310215	NEUENTRY
Registration Number:	4219628	NEUENTRY
Registration Number:	3730052	DNS SHIELD
Registration Number:	2701805	ULTRA
Registration Number:	2628926	ULTRADNS
Registration Number:	2459099	ULTRADNS
Registration Number:	3573697	DNS ADVANTAGE
Registration Number:	3830681	DNS ADVANTAGE
Registration Number:	2746004	.BIZ
Registration Number:	2735926	NOTHING PERSONAL. JUST BUSINESS.
Serial Number:	85478079	TECHNOLOGY BEHIND THE TECHNOLOGY
Serial Number:	85723752	PROMOTE AND PROTECT
Serial Number:	85684464	COST TO CASH
Serial Number:	85478101	REAL INTELLIGENCE. BETTER DECISIONS.

CORRESPONDENCE DATA

Fax Number: 6508385109

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 650-838-3743

TRADEMARK
REEL: 004960 FRAME: 0546

Email: JLIK@SHEARMAN.COM
Correspondent Name: BENJAMIN PETERSEN
Address Line 1: 3000 EL CAMINO REAL, 6TH FLOOR
Address Line 2: SHEARMAN & STERLING LLP
Address Line 4: PALO ALTO, CALIFORNIA 94306

ATTORNEY DOCKET NUMBER:	35613/12287
NAME OF SUBMITTER:	BENJAMIN PETERSEN
Signature:	/BENJAMIN PETERSEN/
Date:	02/13/2013

Total Attachments: 24

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*IP Security Agreement*”) dated January 22, 2013, is made by the Persons listed on the signature pages hereof (collectively, the “*Grantors*”) in favor of MORGAN STANLEY SENIOR FUNDING, INC. (“*MSSF*”), as collateral agent (the “*Collateral Agent*”) for the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, Neustar, Inc., a Delaware corporation, has entered into a Credit Agreement dated as of January 22, 2013 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*Credit Agreement*”), with MSSF, as Administrative Agent, MSSF, as Collateral Agent, and the Lender Parties party thereto. Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Advances and the issuance of Letters of Credit by the Lender Parties under the Credit Agreement, the entry into Secured Hedge Agreements by the Hedge Banks and the entry into Secured Cash Management Agreements by the Cash Management Banks from time to time, each Grantor has executed and delivered that certain Security Agreement dated January 22, 2013 made by the Grantors to the Collateral Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “*Security Agreement*”).

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed as a condition thereof to execute this IP Security Agreement for recording with the U.S. Patent and Trademark Office, the United States Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

SECTION 1. Grant of Security. Each Grantor hereby grants to the Collateral Agent for the ratable benefit of the Secured Parties a security interest in all of such Grantor’s right, title and interest in and to the following (the “*Collateral*”):

- (i) the patents and patent applications set forth in Schedule A hereto (the “*Patents*”);
- (ii) the trademark and service mark registrations and applications set forth in Schedule B hereto (provided that no security interest shall be granted in United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark applications under applicable federal law), together with the goodwill symbolized thereby (the “*Trademarks*”);

(iii) all copyrights, copyright registrations and applications and exclusive copyright licenses set forth in Schedule C hereto (the “*Copyrights*”);

(iv) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(v) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(vi) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing.

SECTION 2. Security for Obligations. The grant of a security interest in, the Collateral by each Grantor under this IP Security Agreement secures the payment of all Obligations of such Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise (all such Obligations being the “*Secured Obligations*”). Without limiting the generality of the foregoing, this IP Security Agreement secures, as to each Grantor, the payment of all amounts that constitute part of the Secured Obligations and that would be owed by such Grantor to any Secured Party under the Loan Documents but for the fact that such Secured Obligations are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving a Loan Party.

SECTION 3. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this IP Security Agreement.

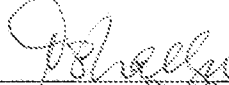
SECTION 4. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

SECTION 6. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

NEUSTAR, INC.

By 
Name: Paul S. Laljie
Title: Senior Vice President,
Chief Financial Officer

Address for Notices:
21575 Ridgetop Circle
Sterling, VA 20166

NEUSTAR IP INTELLIGENCE, INC.

By 
Name: Paul S. Laljie
Title: Senior Vice President,
Chief Financial Officer


Address for Notices:
21575 Ridgetop Circle
Sterling, VA 20166

ULTRADNS CORPORATION

By 
Name: Paul S. Laljie
Title: Senior Vice President,
Chief Financial Officer

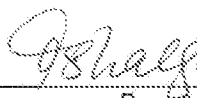
Address for Notices:
21575 Ridgetop Circle
Sterling, VA 20166

NEUSTAR INFORMATION SERVICES INC.

By 
Name: Paul S. Laljie
Title: Senior Vice President,
Chief Financial Officer

Address for Notices:
1861 International Drive
6th Floor
McLean, VA 22102

NEUSTAR DATA SERVICES, INC.

By 
Name: Paul S. Laljie
Title: Senior Vice President,
Chief Financial Officer

Address for Notices:
1861 International Drive
6th Floor
McLean, VA 22102

Schedule A

Patents

I. Patents

Assignee	Country	Serial No. Publication No. Patent No.	Filing Date	Title	Issue Date
NeuStar, Inc.	CA	CA 2,276,131	12/16/97	SYSTEMS AND METHODS FOR MANAGING AND PROVISIONING NETWORK ELEMENTS ASSOCIATED WITH NUMBER PORTABILITY	05/09/06
NeuStar, Inc.	CA	CA 2,276,019	12/22/97	SYSTEMS AND METHODS FOR PROVIDING TELECOMMUNICATIONS SERVICES	05/02/06
NeuStar, Inc. (Ultra DNS, Inc.)	Germany, United Kingdom, and Italy	EP 00912123.7 EP1157524A2 EP1157524	03/02/00	SCALABLE AND EFFICIENT DOMAIN NAME RESOLUTION	12/19/07
NeuStar, Inc.	US	08/907,323 6,122,362	08/06/97	SYSTEMS AND METHOD FOR PROVIDING NETWORK ELEMENT MANAGEMENT FUNCTIONALITY FOR MANAGING AND PROVISIONING NETWORK ELEMENTS ASSOCIATED WITH NUMBER PORTABILITY	9/19/00
NeuStar, Inc.	US	08/906,751 6,169,793	08/06/97	SYSTEMS AND METHODS FOR PROVIDING ORDER AND SERVICE MEDIATION FOR TELECOMMUNICATIONS SYSTEMS	01/02/01
NeuStar IP Intelligence, Inc.	US	09/825,675 6,684,250	04/03/01	METHOD AND APPARATUS FOR ESTIMATING A GEOGRAPHIC LOCATION OF A NETWORKED ENTITY	01/27/04
NeuStar, Inc.	US	10/665,076 US 2005/0060610 A1 US 7,337,361	09/16/03	TEST HARNESS FOR ENTERPRISE APPLICATION INTEGRATION ENVIRONMENT	02/26/08
NeuStar IP Intelligence, Inc.	US	10/685,991 7,072,963	10/14/03	METHOD AND SYSTEM TO MODIFY GEOLOCATION ACTIVITIES BASED ON LOGGED QUERY INFORMATION	07/04/06
NeuStar IP Intelligence, Inc.	US	10/686,102 7,472,172	10/14/03	METHOD AND SYSTEM TO INITIATE GEOLOCATION ACTIVITIES ON DEMAND AND RESPONSIVE TO RECEIPT OF A QUERY	12/30/08
NeuStar IP Intelligence, Inc.	US	10/686,135 7,809,857	10/14/03	METHOD AND SYSTEM TO COLLECT GEOGRAPHIC LOCATION INFORMATION FOR A NETWORK ADDRESS UTILIZING GEOGRAPHICALLY DISPERSED DATA COLLECTION AGENTS	10/05/10
NeuStar IP Intelligence, Inc.	US	11/073,149 7,685,279	03/04/05	GEO-LOCATION AND GEO-COMPLIANCE UTILIZING A CLIENT AGENT	03/23/10
NeuStar, Inc.	US	7,546,368 11/142,890 2006-0277001	06/01/05	SYSTEMS AND METHODS FOR ISOLATING LOCAL PERFORMANCE VARIATION IN WEBSITE MONITORING	06/9/09
NeuStar, Inc.	US	7,770,068 11/142,889 2006-0276697	06/01/05	SYSTEMS AND METHODS FOR WEBSITE MONITORING AND LOAD TESTING VIA SIMULATION	08/03/10
NeuStar, Inc.	US	8,005,890 11/537,740 2008-0082645	10/02/06	SYSTEM AND METHOD FOR OBTAINING AND EXECUTING INSTRUCTIONS FROM A PRIVATE NETWORK	08/23/11
NeuStar IP Intelligence, Inc.	US	11/948,771 8,055,792	11/30/07	METHOD AND SYSTEM FOR EVALUATING AND SELECTING TRACEROUTES TO BE USED IN DETERMINING THE GEOGRAPHIC LOCATION OF A NETWORK BLOCK	11/08/11
NeuStar, Inc.	US	7,925,747 12/253,652 2099-0106390	10/17/08	SYSTEM AND METHOD FOR SHARING WEB PERFORMANCE MONITORING DATA	04/12/11

Assignee	Country	Serial No. Publication No. Patent No.	Filing Date	Title	Issue Date
NeuStar, Inc.	US	7,814,202 12/479,152 2009-0240805	06/05/09	SYSTEMS AND METHODS FOR ISOLATING LOCAL PERFORMANCE VARIATION IN WEBSITE MONITORING	10/12/10
NeuStar IP Intelligence, Inc.	US	11/855,745 8,204,982	09/14/07	SYSTEM AND METHOD OF MIDDLEBOX DETECTION AND CHARACTERIZATION	
NeuStar, Inc.	US	12/509,622 8,126,426	07/27/09	SYSTEM AND METHOD FOR ASSESSING MOBILE APPLICATION VALUE	
NeuStar IP Intelligence, Inc.	US	12/166,622 8,239,510	7/2/2008	METHOD AND SYSTEM FOR LOCATING GEOGRAPHICAL LOCATIONS OF ONLINE USERS	

II. Patent Applications

Assignee	Country	Serial No. Publication No.	Filing Date	Title
NeuStar IP Intelligence, Inc.	US	10/685,692	10/14/03	METHOD AND SYSTEM TO ASSOCIATE GEOGRAPHIC LOCATION INFORMATION WITH A NETWORK ADDRESS USING A COMBINATION OF AUTOMATED AND MANUAL PROCESSES
NeuStar, Inc.	US	11/136,086 2005-0262240	05/24/05	SYSTEM AND METHOD FOR CORRELATION AND ANALYSIS OF WEBSITE PERFORMANCE, TRAFFIC AND HEALTH DATA
NeuStar IP Intelligence, Inc.	US	11/935,598 2009-0119394	11/06/07	METHOD AND SYSTEM FOR DETERMINING THE GEOGRAPHIC LOCATION OF A NETWORK BLOCK
NeuStar, Inc.	US	12/163,659 2009-0006614	06/27/08	MONITORING WEB SERVICE TRANSACTIONS
NeuStar, Inc.	US	12/237,144 2010-0077462	09/24/08	SECURE DOMAIN NAME SYSTEM
NeuStar, Inc.	US	12/705,268 2012-0009902	2/12/10	METHOD FOR DISTRIBUTING CONTACT INFORMATION BETWEEN APPLICATIONS
NeuStar, Inc.	US	12/902,619 2011-0029662	10/12/2010	ISOLATING LOCAL PERFORMANCE VARIATION IN WEBSITE MONITORING
NeuStar IP Intelligence, Inc.	US	12/908,287 2012-0102219	10/20/10	SYSTEM AND METHOD FOR MANAGING AN INTERNET DOMAIN BASED ON THE GEOGRAPHIC LOCATION OF AN ACCESSING USER
NeuStar, Inc.	US	13/085,323 2011-0191471	04/12/2011	SYSTEM AND METHOD FOR SHARING WEB PERFORMANCE MONITORING DATA
NeuStar IP Intelligence, Inc.	US	13/173,592 2013-0007256	06/30/11	SYSTEM AND METHOD FOR PREDICTING THE GEOGRAPHIC LOCATION OF AN INTERNET PROTOCOL ADDRESS
NeuStar IP Intelligence, Inc.	US	13/192,686	07/28/11	SYSTEM AND METHOD FOR IMPLEMENTING A LEARNING MODEL FOR PREDICTING THE GEOGRAPHIC LOCATION OF AN INTERNET PROTOCOL ADDRESS
NeuStar, Inc.	US	13/215,939 2012-0215827	08/23/2011	SYSTEM AND METHOD FOR OBTAINING AND EXECUTING INSTRUCTIONS FROM A PRIVATE NETWORK
NeuStar, Inc.	US	61/606,956	3/5/2012	METHOD AND APPARATUS FOR DETECTING NETWORK COMPROMISE
NeuStar, Inc.	US	13/221,507	8/30/2011	SYSTEM AND METHOD FOR DELIVERING SHORT MESSAGE SERVICE TEXT TO CALL CENTERS
NeuStar, Inc.	US	13/297,531	11/16/2011	METHOD AND APPARATUS FOR

Assignee	Country	Serial No. Publication No.	Filing Date	Title
NeuStar, Inc.	US	13/349,987	01/13/2012	FACILITATING ANSWERING A QUERY ON A DATABASE METHOD AND APPARATUS FOR IMPLEMENTING A LEARNING MODEL FOR FACILITATING ANSWERING A QUERY ON A DATABASE
NeuStar, Inc.	US	13/365,735	02/03/2012	METHOD AND APPARATUS FOR FACILITATING FINDING A NEAREST NEIGHBOR IN A DATABASE
NeuStar, Inc.	US	13/309,860	12/02/2011	SYSTEM AND METHOD OF MIDDLEBOX DETECTION AND CHARACTERIZATION

III. National Stage

Assignee	Country	Serial No. Publication No.	Filing Date	Title
NeuStar, Inc.	Canada	2,691,659	06/27/08	MONITORING WEB SERVICE TRANSACTIONS
NeuStar, Inc.	EPO	08772190.8	06/27/08	MONITORING WEB SERVICE TRANSACTIONS
NeuStar, Inc.	EPO	08839153.7	10/17/08	SYSTEM AND METHOD FOR SHARING WEB PERFORMANCE MONITORING DATA
NeuStar, Inc.	South Korea	10-2010-7001961	06/27/10	MONITORING WEB SERVICE TRANSACTIONS

IV. Issued Patents and Patent Applications of NeuStar Information Services, Inc.

<u>Grantor</u>	<u>Title</u>	<u>Country</u>	<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Information Services, Inc.	REAL-TIME PROCESS FOR DEFINING, PROCESSING AND DELIVERING A HIGHLY CUSTOMIZED CONTACT LIST OVER A NETWORK	US	7,243,075	09/678,752	10/3 /2000	7 /10/2007
NeuStar Information Services, Inc.	SYSTEM AND METHOD FOR LINKING INFORMATION IN A GLOBAL COMPUTER NETWORK	US	6,748,426	09/596,024	6 /15/2000	6 /8 /2004

<u>Grantor</u>	<u>Title</u>	<u>Country</u>	<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Information Services, Inc.	SYSTEM FOR LINKING INFORMATION IN A GLOBAL COMPUTER NETWORK	US	7,167,907	10/828,638	4 /21/2004	1 /23/2007
NeuStar Information Services, Inc.	ONE NUMBER INTELLIGENT CALL PROCESSING SYSTEM	US	6,058,179	09/211,475	12/14/1998	5 /2 /2000
NeuStar Information Services, Inc.	AUTOMATIC ROUTING SYSTEM FOR TELEPHONIC SERVICES	US	5,506,897	08/365,325	12/28/1994	4 /9 /1996
NeuStar Information Services, Inc.	REAL-TIME PROCESS FOR DEFINING, PROCESSING AND DELIVERING A HIGHLY CUSTOMIZED CONTACT LIST OVER A NETWORK	US	8,064,586	11/673,485	2 /9 /2007	11/22/11
NeuStar Information Services, Inc.	ONE NUMBER INTELLIGENT CALL PROCESSING SYSTEM	US	5,901,214	08/748,192	11/12/1996	5 /4 /1999
NeuStar Information Services, Inc.	AUTOMATED CONCIERGE SYSTEM AND METHOD	US	8,160,614	11/462,167	8 /3 /2006	4/17/12
NeuStar Information Services, Inc.	METHOD OF QUERYING FOR DEVICE LOCATION IN A HETEROGENEOUS NETWORK	US		11/281,952	11/15/2005	
NeuStar Information Services, Inc.	SPATIALLY INDEXED GRAMMAR AND METHODS OF USE	US	8,060,367	11/768,433	6 /26/2007	11/15/11

<u>Grantor</u>	<u>Title</u>	<u>Country</u>	<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Information Services, Inc.	SYSTEM AND METHOD FOR DEVELOPING SMALL GEOGRAPHIC AREA POPULATION, HOUSEHOLD, AND DEMOGRAPHIC COUNT ESTIMATES AND PROJECTIONS USING A MASTER ADDRESS FILE	US		12/208,715	9 /11/2008	
NeuStar Information Services, Inc.	AUTOMATED MOBILE INTELLIGENT CALL PROCESSING SYSTEM	US		12/198,573	8 /26/2008	
NeuStar Information Services, Inc.	AUTOMATED MOBILE INTELLIGENT COMMUNICATION PROCESSING SYSTEM	US		12/823,899	6 /25/2010	
NeuStar Information Services, Inc.	ON DEMAND MULTI-LOCATION LARGE DATABASE SYNCHRONIZATION SYSTEM	US		12/975,012	12/21/2010	
NeuStar Information Services, Inc.	ONE NUMBER INTELLIGENT CALL PROCESSING SYSTEM	US	6,185,290 (this case is under consideration to be dropped)	09/477,181	1 /4 /2000	2 /6 /2001
NeuStar Information Services, Inc.	ONE NUMBER, INTELLIGENT CALL PROCESSING SYSTEM	US	8,085,924	11/613,984	12/20/2006	12/27/11
NeuStar Information Services, Inc.	ONE NUMBER, INTELLIGENT CALL PROCESSING SYSTEM	US	8,180,041	12/274,154	11/19/2008	5/15/12

<u>Grantor</u>	<u>Title</u>	<u>Country</u>	<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	6,608,892	10/066,242	2 /1 /2002	8 /19/2003
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	7,203,300	11/227,589	9 /15/2005	4 /10/2007
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US		11/690,289	3 /23/2007	
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	7,136,474	10/454,396	6 /3 /2003	11/14/2006
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	5,956,397	09/100,052	6 /19/1998	9 /21/1999
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	5,910,982	09/100,305	6 /19/1998	6 /8 /1999
NeuStar Information Services, Inc.	AUTOMATIC ROUTING SYSTEM FOR TELEPHONIC SERVICES	US	5,907,608	09/099,821	6 /19/1998	5 /25/1999
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	6,091,810	09/211,137	12/14/1998	7 /18/2000
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	6,385,312	09/100,567	6 /19/1998	5 /7 /2002

<u>Grantor</u>	<u>Title</u>	<u>Country</u>	<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Information Services, Inc.	AUTOMATIC ROUTING SYSTEM FOR TELEPHONIC SERVICES	US	6,570,975	10/053,290	1 /18/2002	5 /27/2003
NeuStar Information Services, Inc.	AUTOMATIC INFORMATION AND ROUTING SYSTEM FOR TELEPHONIC SERVICES	US	5,848,131	08/598,392	2 /8 /1996	12/8 /1998
NeuStar Information Services, Inc.	AUTOMATIC ROUTING AND INFORMATION SYSTEM FOR TELEPHONIC SERVICES	US	5,982,868	08/659,318	6 /6 /1996	11/9 /1999
NeuStar Information Services, Inc.	ONE NUMBER, INTELLIGENT CALL PROCESSING SYSTEM	US	6,381,324	09/690,661	10/17/2000	4 /30/2002
NeuStar Information Services, Inc.	ONE NUMBER INTELLIGENT CALL PROCESSING SYSTEM	US	6,661,884	10/082,669	2 /22/2002	12/9 /2003
NeuStar Information Services, Inc.	REAL-TIME PROCESS FOR DEFINING, PROCESSING AND DELIVERING A HIGHLY CUSTOMIZED CONTACT LIST OVER A NETWORK	US		13/302,861	11/22/11	
NeuStar Information Services, Inc.	ONE NUMBER, INTELLIGENT CALL PROCESSING SYSTEM	US		13/336,527	12/23/11	
NeuStar Information Services, Inc.	SYSTEMS AND METHODS FOR REGISTRATION AND USE OF A PAYMENT CARD	US		61/603,038	2/24/12	

<u>Grantor</u>	<u>Title</u>	<u>Country</u>	<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Information Services, Inc.	ONE NUMBER, INTELLIGENT CALL PROCESSING SYSTEM	US	7,167,553	10/732,147	12/9 /2003	1 /23/2007

Schedule B

Trademarks

NEUSTAR INFORMATION SERVICES, INC.

Grantor	Domain Name/Mark	Country	Mark	Reg. No.	Application No.	Filing Date	Issue Date
NeuStar Information Services, Inc.		U.S.	ON-DEMAND LEAD VERIFICATION	3,438,033	78/827,865	3/2/06	5/27/08
NeuStar Information Services, Inc.		U.S.	TARGUSINFO ON DEMAND DATA	3,446,582	78/680,786	7/28/05	6/10/08
NeuStar Information Services, Inc.		U.S.	TARGUSINFO	2,659,443	78/050,329	2/26/01	12/10/02
NeuStar Information Services, Inc.		U.S.	ITACT	3541072	77/201,219	6/8/07	12/2/08
NeuStar Information Services, Inc.		U.S.	FIRSTPASS ADVISOR	3,570,463	77/201,262	6/8/07	2/3/09
NeuStar Information Services, Inc.		U.S.	ON-DEMAND IDENTIFICATION	3,578,176	77/203,812	6/12/07	2/17/09
NeuStar Information Services, Inc.		U.S.	ON-DEMAND VERIFICATION	3,578,177	77/203,824	6/12/07	2/17/09
NeuStar Information Services, Inc.		U.S.	LOCATIONID	3,547,605	77/203,887	6/12/07	12/16/08
NeuStar Information Services, Inc.		U.S.	TELEPASS	3,534,833	77/203,878	6/12/07	11/18/08
NeuStar Information Services, Inc.		U.S.	CUSTOMERCOMPLETE	3,547,615	77/210,823	6/20/07	12/16/08
NeuStar Information Services, Inc.		U.S.	CALLERCOMPLETE	3,547,616	77/210,850	6/20/07	12/16/08
NeuStar Information		U.S.	SHOPPERCOMPLETE	3,547,617	77/210,865	6/20/07	12/16/08

<u>Grantor</u>	<u>Domain Name/Mark</u>	<u>Country</u>	<u>Mark</u>	<u>Reg. No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
Services, Inc.							
NeuStar Information Services, Inc.		U.S.	SECONDDAPPROACH	3,547,618	77/210,915	6/20/07	12/16/08
NeuStar Information Services, Inc.		U.S.	CALLERINSIGHT	3,547,619	77/210,932	6/20/07	12/16/08
NeuStar Information Services, Inc.		U.S.	ELEMENTONE	3,547,679	77/241,105	7/27/07	12/16/08
NeuStar Information Services, Inc.		U.S.	LEADADVISOR	3,566,144	77/377,855	1/22/08	1/20/09
NeuStar Information Services, Inc.		U.S.	ELEMENTONE (Stylized)	3,636,191	77/377,928	1/22/08	6/9/09
NeuStar Information Services, Inc.		U.S.	IPAS	3,918,472	77/719,714	4/22/09	2/15/11
NeuStar Information Services, Inc.		U.S.	ADADVISOR	3,769,527	77/719,969	4/22/09	3/30/10
NeuStar Information Services, Inc.		U.S.	ON-DEMAND INSIGHT	3,718,099	77/719,771	4/22/09	12/1/09
NeuStar Information Services, Inc.		U.S.	ON-DEMAND INFORMATION	3,888,229	77/720,006	4/22/09	12/7/10
NeuStar Information Services, Inc.		U.S.	BUSINESS REACH	3,809,169	77/719,740	4/22/09	6/29/10
NeuStar Information Services, Inc.		U.S.	BATCHCOMPLETE	3,760,585	77/786,989	7/22/09	3/16/10
NeuStar Information Services, Inc.		U.S.	INFOZONE	3,996,115	85/034,300	5/10/10	7/19/11
NeuStar Information Services,		U.S.	SEEWHO		85/063,404	6/15/10	

<u>Grantor</u>	<u>Domain Name/Mark</u>	<u>Country</u>	<u>Mark</u>	<u>Reg. No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
Inc.							
NeuStar Information Services, Inc.		U.S.	MANAGED and Design		85/380,427	7/25/11	
NeuStar Information Services, Inc.		U.S.	IAN		85/527,093	1/27/12	
NeuStar Information Services, Inc.		U.S.	PAGEADVISOR		85/527,106	1/27/2012	
NeuStar Information Services, Inc.		U.S.	CONSUMERREACH		85/544,831	2/16/2012	
NeuStar Information Services, Inc.		U.S.	ACCOUNTLINK		85/708,841	8/21/2012	

NEUSTAR DATA SERVICES, INC.

<u>Grantor</u>	<u>Country</u>	<u>Mark</u>	<u>Reg. No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
NeuStar Data Services, Inc.	U.S.	LOCALEZE	3,331,430	78/702,741	8/29/07	11/6/07
NeuStar Data Services, Inc.	U.S.	AMACAI	2,729,224	78/139,562	6/27/02	6/24/03
NeuStar Data Services, Inc.	U.S.	NEW MOVERS ON DEMAND	3,203,185	78/885,867	5/17/06	1/23/07
NeuStar Data Services, Inc.	U.S.	NEW BUSINESSES ON DEMAND	3,527,090	77/430,982	3/25/08	11/4/08
NeuStar Data Services, Inc.	U.S.	PURE APPEND PRO	3,830,553	77/786,418	7/21/09	8/10/10

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
NEUSTAR (Stylized)	Taiwan R.O.C.	Neustar, Inc.	101880099	18-Aug-09			Pending
AMERICA'S INTERNET ADDRESS	United States of America	Neustar, Inc.	76362682	25-Jan-02	2699861	25-Mar-03	Registered
KIDS. US PLAY. LEARN. SURF. & Design	United States of America	Neustar, Inc.	76483430	21-Jan-03	2921997	1-Feb-05	Registered
KIDS.US & Design	United States of America	Neustar, Inc.	76483431	21-Jan-03	2918237	11-Jan-05	Registered
TRUSTED TO BRING NETWORKS TOGETHER	United States of America	Neustar, Inc.	76535927	29-Jul-03	2912308	21-Dec-04	Registered
NUMBERMANAGER	Canada	Neustar, Inc.	848672	20-Jun-97	TMA530777	7-Aug-00	Registered
NUMBERMANAGER	United States of America	Neustar, Inc.	75217681	23-Dec-96	2510765	20-Nov-01	Registered
ORDERPATH	Canada	Neustar, Inc.	848670	20-Jun-97	TMA530912	9-Aug-00	Registered
ORDERPATH	United States of America	Neustar, Inc.	75217683	23-Dec-96	2196447	13-Oct-98	Registered
NEUSTAR	United States of America	Neustar, Inc.	75772929	11-Aug-99	2525756	1-Jan-02	Registered
NEUSTAR	European Union	Neustar, Inc.	1487578	28-Jan-00	1487578	7-May-01	Registered

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
NEUSTAR	Canada	Neustar, Inc.	1045611	7-Feb-00	579687	16-Apr-03	Registered
NEUSTAR	Norway	Neustar, Inc.	200000900	28-Jan-00	208576	18-May-01	Registered
NEUSTAR	Switzerland	Neustar, Inc.	13432000	8-Feb-00	494238	25-Feb-02	Registered
NEUSTAR	United States of America	Neustar, Inc.	78537551	23-Dec-04	3035697	27-Dec-05	Registered
NEUSTAR	United States of America	Neustar, Inc.	78603996	7-Apr-05	3773538	6-Apr-10	Registered
SIP-IX	United States of America	Neustar, Inc.	78750154	9-Nov-05	3252515	12-Jun-07	Registered
SIP-IX	European Union	Neustar, Inc.	4709994	10-Nov-05	4709994	23-Oct-06	Registered
NEUSTAR	United States of America	Neustar, Inc.	78750147	9-Nov-05	3741210	19-Jan-10	Registered
NEUSTAR	European Union	Neustar, Inc.	4710257	10-Nov-05	4710257	7-Mar-07	Registered
NEUSTAR	United States of America	Neustar, Inc.	78813075	13-Feb-06	3559065	6-Jan-09	Registered
PORT DR	United States of America	Neustar, Inc.	77492629	6-Jun-08	3768328	30-Mar-10	Registered
PORT DR	United States of America	Neustar, Inc.	77492640	6-Jun-08	3775468	13-Apr-10	Registered

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
NEUSTAR	United States of America	Neustar, Inc.	77123952	6-Mar- 07	3343135	27-Nov- 07	Registered
METAINFO	United States of America	NeuStar, Inc.	75021223	17-Nov- 95	2019140	26-Nov- 96	Registered
META IP	United States of America	Neustar, Inc.	75644810	22-Feb- 99	2389344	26-Sep- 00	Registered
NEUSTAR	Brazil	Neustar, Inc.	829753990	12-Jun- 08	829753990	2-Aug- 11	Registered
NEUSTAR	Brazil	Neustar, Inc.	829753958	12-Jun- 08			Allowed
NEUSTAR	Brazil	Neustar, Inc.	829753974	12-Jun- 08	829753974	2-Aug- 11	Registered
NEUSTAR	Brazil	Neustar, Inc.	829753982	12-Jun- 08	829753982	2-Aug- 11	Registered
NEUSTAR	Brazil	Neustar, Inc.	829753966	12-Jun- 08	829753966	3-Jan- 12	Registered
CACHE DEFENDER	United States of America	Neustar, Inc.	77615869	17-Nov- 08	3711287	17-Nov- 09	Registered
ECOSYSTEM MANAGEMENT	United States of America	Neustar, Inc.	76696231	10-Mar- 09	3789020	18- May-10	Registered
.US Logo	United States of America	Neustar, Inc.	77725592	29-Apr- 09	3795217	25- May-10	Registered
NEUSTAR (Stylized)	United States of America	Neustar, Inc.	77796898	4-Aug- 09	3872035	9-Nov- 10	Registered

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
NEUSTAR (Stylized)	Brazil	Neustar, Inc.	830368175	17-Aug-09	830368175	3-Jul-12	Registered
NEUSTAR (Stylized)	Brazil	Neustar, Inc.	830368191	17-Aug-09	830368191	2-Oct-12	Registered
NEUSTAR (Stylized)	Brazil	Neustar, Inc.	830368205	17-Aug-09	830368205	3-Jul-12	Registered
NEUSTAR (Stylized)	Switzerland	Neustar, Inc.	595282009	31-Aug-09	607146	27-Oct-10	Registered
NEUSTAR (Stylized)	European Union	Neustar, Inc.	8491334	14-Aug-09	8491334	31-May-10	Registered
NEUSTAR (Stylized)	Israel	Neustar, Inc.	222798	16-Aug-09	222798	6-Dec-10	Registered
NEUSTAR (Stylized)	Singapore	Neustar, Inc.	T0909102Z	14-Aug-09	T0909102Z	14-Aug-09	Registered
NEUSTAR (Stylized)	China	Neustar, Inc.	8051842	4-Feb-10	8051842	7-Apr-11	Registered
NEUSTAR (Stylized)	China	Neustar, Inc.	8051843	4-Feb-10			Pending
NEUSTAR (Stylized)	China	Neustar, Inc.	8051844	4-Feb-10			Pending
NEUSTAR (Stylized)	Canada	Neustar, Inc.	1454080	2-Oct-09	798914	31-May-11	Registered
NEUSTAR (Stylized)	Israel	Neustar, Inc.	222784	16-Aug-09	222784	6-Dec-10	Registered
NEUSTAR (Stylized)	Israel	Neustar, Inc.	222795	16-Aug-	222795	6-Dec-	Registered

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
				09		10	
NEUSTAR (Stylized)	Singapore	Neustar, Inc.	T1004357B	9-Apr-10	T1004357B	9-Apr-10	Registered
.BIZ & Design	United States of America	Neustar, Inc.	85105483	11-Aug-10	4036487	4-Oct-11	Registered
BETTER NAME. BETTER RESULTS.	United States of America	Neustar, Inc.	85105490	11-Aug-10	4102975	21-Feb-12	Registered
WEBMETRICS	United States of America	Neustar, Inc.	78413657	5-May-04	3179222	5-Dec-06	Registered
NEUSHIELD	United States of America	Neustar, Inc.	85310228	2-May-11			Allowed
NEUSENTRY	United States of America	Neustar, Inc.	85310215	2-May-11			Allowed
NEUSENTRY	United States of America	Neustar, Inc.	85977465	2-May-11	4219628	2-Oct-12	Registered
DNS SHIELD	United States of America	UltraDNS Corporation	78721326	27-Sep-05	3730052	22-Dec-09	Registered
ULTRA & Design	United States of America	UltraDNS Corporation	76227222	19-Mar-01	2701805	1-Apr-03	Registered
ULTRADNS	United States of America	UltraDNS Corporation	76037871	1-May-00	2628926	1-Oct-02	Registered
ULTRADNS	United States of America	UltraDNS Corporation	75737872	25-Jun-99	2459099	12-Jun-01	Registered
ULTRADNS	European Union	UltraDNS	1910876	19-Oct-	1910876	29-Jan-	Registered

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
		Corporation		00		02	
ULTRA & Design	European Union	UltraDNS Corporation	2381861	18-Sep- 01	2381861	17-Jan- 03	Registered
ULTRA & Design	Australia	UltraDNS Corporation	889434	18-Sep- 01	889434	18-Sep- 01	Registered
ULTRA & Design	Japan	UltraDNS Corporation	2.001E09	18-Sep- 01	4751441	27-Feb- 04	Registered
DNS ADVANTAGE	United States of America	UltraDNS Corporation	77343365	4-Dec- 07	3573697	10-Feb- 09	Registered
DNS ADVANTAGE (Stylized)	United States of America	UltraDNS Corporation	77811259	24-Aug- 09	3830681	10-Aug- 10	Registered
.BIZ & Design	United States of America	Neustar, Inc.	76276055	25-Jun- 01	2746004	5-Aug- 03	Registered
.BIZ & Design	Israel	NeuLevel, Inc.	151196	2-Aug- 01	151196	3-Feb- 03	Registered
.BIZ & Design	Israel	NeuLevel, Inc.	151197	2-Aug- 01	151197	3-Feb- 03	Registered
NOTHING PERSONAL. JUST BUSINESS.	United States of America	NeuLevel, Inc.	76276826	27-Jun- 01	2735926	15-Jul- 03	Registered
TECHNOLOGY BEHIND THE TECHNOLOGY	United States of America	NeuStar, Inc.	85478079	21-Nov- 11			Pending
PROMOTE AND PROTECT	United States of America	NeuStar, Inc.	85723752	7-Sep- 12			Pending
COST TO CASH	United States of	NeuStar, Inc.	85684464	23-Jul-			Pending

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
	America			12			
REAL INTELLIGENCE. BETTER DECISIONS.	United States of America	NeuStar, Inc.	85478101	21-Nov- 11			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	India	NeuStar, Inc.	2351202	20-Jun- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	India	NeuStar, Inc.	2351203	20-Jun- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	India	NeuStar, Inc.	2351205	20-Jun- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	India	NeuStar, Inc.	2351208	20-Jun- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	Brazil	NeuStar, Inc.	1578672	22-May- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	Brazil	NeuStar, Inc.	840135556	21-May- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	Brazil	NeuStar, Inc.	840135688	21-May- 12			Pending
REAL INTELLIGENCE. BETTER DECISIONS.	Brazil	NeuStar, Inc.	840135696	21-May- 12			Pending
REAL INTELLIGENCE.	Brazil	NeuStar, Inc.	840135823	21-May-			Pending

MARK/TITLE	COUNTRY	APPLICANT/ OWNER	APP. NO.	DATE FILED	REG. NO.	REG. DATE	STATUS
BETTER DECISIONS.				12			
.BIZ & Design	Canada	NeuLevel, Inc.	1111977	8-Aug- 01	633791	25-Feb- 05	Registered
REAL INTELLIGENCE. BETTER DECISIONS.	Brazil	NeuStar, Inc.	840135505	21-May- 12			Pending

Schedule C

Copyrights

Title	Country	Owner	Assignee	Number	Date	Reg. Status
DNS for Windows NT	United States of America	MetalInfo, Inc.	Neustar, Inc.	TX4737320	2-Mar-98	Registered
Meta IP	United States of America	MetalInfo, Inc.	Neustar, Inc.	TX4730323	2-Mar-98	
NewsChannel	United States of America	MetalInfo, Inc.	Neustar, Inc.	TX4558609	12-May-97	
POP3H	United States of America	MetalInfo, Inc.	Neustar, Inc.	TX4561539	21-May-97	
Sendmail	United States of America	MetalInfo, Inc.	Neustar, Inc.	TX4736681	2-Mar-98	
NIGHTFIRE CORE V2.0	United States of America	Neustar, Inc.	Neustar, Inc.	TX5508930	27-Mar-01	
NIGHTFIRE CORE V3.1	United States of America	Neustar, Inc.	Neustar, Inc.	TX5361926	22-Mar-01	