ETAS ID: TM675602

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Essentium, Inc.		09/02/2021	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	QSHGP, Inc.
Street Address:	8801 South Yale Avenue
Internal Address:	Suite 380
City:	Tulsa
State/Country:	OKLAHOMA
Postal Code:	74137
Entity Type:	Corporation: TEXAS

PROPERTY NUMBERS Total: 26

Property Type	Number	Word Mark	
Serial Number:	87320681	FLASHFUSE	
Serial Number:	87320665	FUSEBOX	
Serial Number:	87375750	ESSENTIUM	
Serial Number:	87375669	ESSENTIUM BUILD YOUR WORLD	
Serial Number:	87375693	ESSENTIUM FILAMENT	
Serial Number:	87375717	MATERIALS GENIUS	
Serial Number:	87872464	FLASHFUSE FILAMENT	
Serial Number:	88838976	ESSENTIUM DRYBOX	
Serial Number:	88188701	HSE	
Serial Number:	88188657	HIGH SPEED EXTRUSION	
Serial Number:	88188558	ESSENTIUM HIGH SPEED EXTRUSION	
Serial Number:	90168613	ESSENTIUM HSE 180·S	
Serial Number:	88192332	HSE 180 · S	
Serial Number:	88285473	ARBORX	
Serial Number:	88285497	HOZZLE	
Serial Number:	88285521	ESSENTIUM FILAMENT CARE SYSTEM	
Serial Number:	88684853	INDUSTRIAL ADDITIVE	
Serial Number:	88684970	ESSENTIUM INDUSTRIAL ADDITIVE	

Property Type	Number	Word Mark
Serial Number:	88684981	E ESSENTIUM INDUSTRIAL ADDITIVE
Serial Number:	88776061	
Serial Number:	90726842	ESSENTIUM WRX
Serial Number:	90751738	ESSENTIUMX
Serial Number:	90168659	ESSENTIUM HSE
Serial Number:	90632737	FLASHFUSE
Serial Number:	88843965	TRIFUSION DEVICES
Serial Number:	86178631	BUILDING THE NEXT GENERATION OF ESSENTIA

CORRESPONDENCE DATA

Fax Number: 2149536899

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

Phone: 2149536500

Email: daltmdept@bakerbotts.com

Correspondent Name: Cecily Porterfield, Baker Botts L.L.P.

Address Line 1: 2001 Ross Avenue

Address Line 2: Suite 900

Address Line 4: Dallas, TEXAS 75201-2900

ATTORNEY DOCKET NUMBER:	004157.0614
NAME OF SUBMITTER:	Cecily Porterfield
SIGNATURE:	/Cecily Porterfield/
DATE SIGNED:	09/20/2021

Total Attachments: 12

source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page1.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page2.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page3.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page4.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page5.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page6.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page7.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page8.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page9.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page10.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page11.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page11.tif source=Essentium Inc to QSHGP, Inc - IP Security Agreement (executed)#page11.tif

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT ("IP Security Agreement"), dated as of September 2, 2021, is made by and between Essentium, Inc., a Delaware corporation (the "Grantor") in favor of QSHGP, Inc., a Texas corporation (the "Collateral Agent"), as collateral agent for the purchasers under the Note Purchase Agreement referred to below.

WHEREAS, the Grantor has entered into a Note Purchase Agreement dated as of August 27, 2021 (the "Note Purchase Agreement"), with the Collateral Agent and the purchasers (the "Purchasers") party thereto. Capitalized terms used herein and not otherwise defined herein shall have the respective meanings given to them in the Note Purchase Agreement.

WHEREAS, as a condition precedent to the making of the Loans by the Purchasers under the Note Purchase Agreement, the Grantor has granted to the Collateral Agent, for the benefit of the Purchasers, a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute and deliver this IP Security Agreement for recording with the United States Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

- 1. <u>Grant of Security</u>. The Grantor hereby pledges and grants to the Collateral Agent for the ratable benefit of the Purchasers a security interest in and to all of the right, title, and interest of the Grantor in, to, and under the following (the "**IP Collateral**"):
 - (a) the patents and patent applications set forth in <u>Schedule 1</u> hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, and reexaminations thereof and amendments thereto (the "**Patents**");
 - (b) the trademark registrations and applications set forth in <u>Schedule 2</u> hereto, together with the goodwill connected with the use thereof and symbolized thereby, and all extensions and renewals thereof (the "**Trademarks**"), excluding only United States intent to use trademark applications to the extent that, and solely during the period in which, the grant, attachment, or enforcement of a security interest therein would, under applicable federal law, impair the registrability of such applications or the validity or enforceability of registrations issuing from such applications;
 - (c) all rights of any kind whatsoever of the Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;
 - (d) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

- (e) any and all claims and causes of action with respect to any of the foregoing, whether occurring before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right, but no obligation, to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.
- 2. <u>Recordation</u>. The Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and any other government officials to record and register this IP Security Agreement upon request by the Collateral Agent.
- 3. <u>Loan Documents</u>. This IP Security Agreement has been entered into pursuant to and in conjunction with the Note Purchase Agreement, which is hereby incorporated by reference. The provisions of the Note Purchase Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Collateral Agent with respect to the IP Collateral are as provided by the Note Purchase Agreement, the Notes and related documents, and nothing in this IP Security Agreement shall be deemed to limit such rights and remedies.
- 4. <u>Execution in Counterparts</u>. This IP Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this IP Security Agreement by facsimile or in electronic (i.e., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this IP Security Agreement.
- 5. <u>Successors and Assigns</u>. This IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.
- 6. <u>Governing Law</u>. This IP Security Agreement shall be governed by, construed under and enforced in accordance with the laws of the State of New York.

[SIGNATURE PAGE FOLLOWS]

66386758

IN WITNESS WHEREOF, the 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.

ESSENTIUM, INC.

DocuSigned by: By: Blake Tipel
Name: Blake Teipel

Title: Chief Executive Officer

Address for Notices:

19025 N. Heatherwilde Blvd., Suite 100

Pflugerville, TX 78660

Signature Page to IP Security Agreement

AGREED TO AND ACCEPTED:

QSHGP, INC., as Collateral Agent

--- DocuSigned by: By: Kichard Hopel
Name: Richard C. Hojel

Title: Chairman

Address for Notices:

8801 South Yale Ave., Suite 380

Tulsa, OK 74137

Signature Page to IP Security Agreement

SCHEDULE 1

PATENTS

[See attached.]

Ā	.16604345	10/15/2010	Populin		Eccuso.	.ESC032	ESSO32 DOT LIS	
US	62711763	7/30/2018	Converted		ESS032		ESS032	US Patent
Viet Nam	1-2021-00869	2/22/2021	Pending	-	ESS032	ESS032	ESS032_PCT_VN	Foreign Patent
8	19 845 498.5	7/29/2019	Pending		ESS032	ESS032	ESS032_PCT_EP	Foreign Patent
China	2019800511506	2/1/2021	Pending		ESS032	ESS032	ESS032_PCT_CN	Foreign Patent
리	;PCT/US19/17235	2/8/2019	Done		ESS031	ESS031	ESS031_PCT	PCT :
LS	16967980	8/6/2020	Pending		ESS031	ESS031	ESS031_PCT_US	US Patent
US	62627950	2/8/2018	Converted		ESS031		ESS031	US Patent
Japan	2020-542788	8/7/2020	Pending		ESS031	ESS031	ESSO31 PCT JP	Foreign Patent
3	19 750 898 9	3/2//2020	Pending		E02031	ESSO31	ESSORI PCT EP	Foreign Patent
China	2019800218888	9/24/2020	Pending	A SMULTIPLE LAYER FILAMENT AND METHOD OF MANUFACTURING	ES031	ESS031	ESSO31 PCT ON	Foreign Patent
Canada	3880886	0000/978	Dending	- 0	ECO20	ESSO31	ESSON PCT CA	Foreign Patent
3 8	16/66533	5/22/2020	Pending	TOOL ASSEMBLY FOR MANUFACTURING BARTS AND A METHOD OF PRODUCING	E55030	ESSOSO	ESSUSU_PCI_US	US Patent
5	62591015	11/2//2017	Converted	TOOL ASSEMBLY FOR MANUFACTURING PARTS AND A METHOD OF PRODUCTING A TOOLING	E55030	50000	ESSUAU	US Patent
Singapore	W0850120201	i	Pending	10-	ESSUSU	ESSUSU	ESSUSU_PCI_SG_DIV	Foreign Patent
Singapore	11202004522K		Pending	100	E55030	ESSUSU	ESSUSULPCI_SG	Foreign Patient
Korea, Republic of	10-2020-7017142	. 4-2	Pending	TOOL ASSEMBLY FOR MANUFACTURING PARTS AND A METHOD OF PRODUCING	E55030	ESS030	ESSO30_PCT_KR	Foreign Patent
Japan	2020-546304	5/27/2020	Pending		ESS030	ESS030	ESS030_PCT_JP	Foreign Patent
Po	18 882 246.4	6/26/2020	Pending	TOOL ASSEMBLY FOR MANUFACTURING PARTS AND A METHOD OF PRODUCING	ESS030	:ESS030	ESS030_PCT_EP	Foreign Patent
China	2018800767274	5/27/2020	Pending	ТООТ	ESS030	ESS030	ESS030_PCT_CN	Foreign Patent
Canada		7/5/2021	Pending	0 TOOL ASSEMBLY FOR MANUFACTURING PARTS AND A METHOD OF PRODUCING A TOOLING ASSEMBLY	ESS030	ESS030	ESS030_PCT_CA	Foreign Patent
PCT	PCT/US18/36038	6/5/2018	Done	HYBR	ESS025	ESS025	ESS025_PCT	শ্ৰ
US	16619008	12/3/2019	Pending		ESS025	ESS025	ESS025_PCT_US	US Patent
us	62515372	6/5/2017	Converted	HYBRID THERMOPLASTIC COMPOSITES WITH LONG AND SHORT FIBER MATERIALS AND NATURAL:	ESS025		ESS025	US Patent
Japan	2019-568183		Pending	HYBRID THERMOPLASTIC COMPOSITES WITH LONG AND SHORT FIBER MATERIALS AND NATURAL NANOP	ESS025	ESS025	ESS025_PCT_JP	Foreign Patent
8	:18812756.7		Pending	3	ESS025	ESS025	ESS025_PCT_EP	Foreign Patent
ব	PCT/US18/33409	5/18/2018	Done	=	ESS024	ESS024	ESS024_PCT	শ্ৰ
US S	16614600		Pending	+	ESS024	ESS024 PCT	ESS024 PCT US	US Patent
Ā 8	67508464	5/19/2017	Converted	4 THERE DIMENSIONAL PRINCIP ADDRESS OF THE STATE OF THE S	FS024	E39024_FC1	ESSO24_FCI_EF	TOTEIGH FALEHIL
China	201880032235		Pending	+ :IHREE DIPERSIONAL PRINTER APPAGAIUS	ES5024	ESS024_PCI	ESSU24_PCI_CN	Foreign Patent
S S	PCT/US18/18629		Done	. A	ESS018	ESS018	ESS018_PCT	፭
us	16498079	4.2	Pending	ATMOSPHERIC PLASMA CONDUCTION PATHWAY FOR THE APPLICATION OF ELECTROMAGENTIC ENERGY TO 3D PRINTED;	ESS018	ESS018	ESS018_PCT_US	US Patent
SN	:62463368	•	Converted	ATMOSPHERIC PLASMA CONDUCTION PATHWAY FOR THE APPLICATION OF ELECTROMAGENTIC ENERGY TO	ESS018		ESS018	US Patent
8	18 756 979.3	8/16/2019	Pending	ATMOSPHERIC PLASMA CONDUCTION PATHWAY FOR THE APPLICATION OF ELECTROMAGENTIC ENERGY TO	ESS018	ESS018	ESS018_PCT_EP	Foreign Patent
China	201880013621X		Pending	AI	ESS018	ESS018	ESS018_PCT_CN	Foreign Patent
2	:PCT/US17/59878	11/1/2017	Done	H	ES5008	ESS008	ESS008_PCT	ব্ৰ
US C	16467693	6/7/2019	Pendina	8 THREE DIMENSIONAL PRINTER APPAIGATUS	ES008	ESS008	ESSOOR PCT US	US Patient
Hong Kong	62/416 890	3/3/2020	Pending	400	Escono	ESSUUB	ESSOOS_PCI_HK	Foreign Patent
8	17891569.0	6/3/2019	Pending		ESS008	ESS008	ESS008_PCT_EP	Foreign Patent
China	:110382240A	:6/21/2019	:Issued	() () () () () () () () () ()	ESS008	ESS008	ESS008_PCT_CN	Foreign Patent
2	PCT/US2016/040487	:	Done		ESS003	:ESS003	ESS003_PCT	2
US	16820026		Pending		ESS003	ESS003	ESS003_US_DIV	US Patent
US	15739369	12/22/2017	Issued	3 SYNTHETICALLY MODIFIED THERMOPLASTIC POLYMER COMPOSITES HAVING CELLULOSE NANOMATERIALS	ESS003	ESS003	ESS003_PCT_US	US Patent
US	62186417		Converted	S	ESS003		ESS003	US Patent
Mexico		12/30/2017	Terminated	S	ESS003	ESS003	ESS003_PCT_MX	Foreign Patent
Korea, Republic of	2018-7002996		Pending	S	ESS003	ESS003	ESS003_PCT_KR	Foreign Patent
Japan	:2017-568410		Issued	S	:ESS003	ESS003	ESS003_PCT_JP	Foreign Patent
8	16 818 820.9	1/3/2018	Granted		ESS003	ESS003	ESS003_PCT_EPO	Foreign Patent
Canada	2991063	12/28/2017	Pendina		ES003	ESS003	ESSOO3 PCT CA	Foreign Patent
3 8	15568216	10/20/2017	Issued	2 INATURAL FIBER COMPOSITE AND METHOU OF RECOLUTION 2 INATURAL FIBER COMPOSITE AND METHOU OF PRODUCTION	ZOUSCEL	ESSOOS	ESSUUZ_PCI_US	US Patent
US	:62150023	4/20/2015	Converted	Z	ESS002		ESS002	US Patent
8	16 783 763.2	11/17/2017	Pending	Z	ESS002	ESS002	ESS002_PCT_EP	Foreign Patent
ব	PCT/US2015/34004	6/3/2015	Done	CELL	ESS001	ESS001	ESS001_PCT	শ্ৰ
US	:15315550	12/1/2016	Issued	1 ;CELLULOSE NANOCRYSTAL POLYMER COMPOSITE	ESS001	ESS001	:ESS001_PCT_US	US Patent
US	62007224	6/3/2014	Converted	1 CELLULOSE NANOCRYSTAL POLYMER COMPOSITE	ESS001		ESS001	US Patent
8	:EP15809364.1	:12/22/2016	:Pending	1 CELLULOSE NANOCRYSTAL POLYMER COMPOSITE	TODGE	:E55001	(ESSOCIETY LER	Totalgii Patair

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China	2019304861747	9/4/2019	Issued	FILMENT CART	ESS058	ESS058	ESS058_CN_DS	Foreign Patent
፭	:PCT/US19/23197	3/20/2019	Done	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT	ሻ
us	16982859	9/21/2020	Pending	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT_US	US Patent
us	62646019	3/21/2018	Converted	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057		EMS107	US Patent
Singapore	11202009061R	9/16/2020	Pending	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT_SG	Foreign Patent
Korea, Republic of	10-2020-7029952	10/19/2020	Pending	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT_KR	Foreign Patent
8	19770959.5	10/9/2020	Pending	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT_EP	Foreign Patent
China	201980034810X	11/23/2020	Pending	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT_CN	Foreign Patent
Canad	3094355	9/17/2020	Pending	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	ESS057	EMS107	ESS057_PCT_CA	Foreign Patent
ह्य	:PCTUS2016979	2/6/2020	Pending	FILMENT CONTAINER	ESS056	ESS056_NP	ESS056_NP_PCT	ሻ
us	16370135	3/29/2019	Pending	FILMMENT CONTAINER	ESS056		ESS056_NP	US Patent
US	17366558	7/2/2021	Pending	THREE-DIMENSIONAL PRINTER HEAD INCLUDING AN AUTOMATIC TOUCHDOWN APPARATUS	ESS054	ESS054_NP	ESS054_US_CNT	US Patent
us	16359671	3/20/2019	Issued	THREE-DIMENSIONAL PRINTER HEAD INCLUDING AN AUTOMATIC TOUCHDOWN APPARATUS	ESS054		ESS054_NP	US Patent
us		1/25/2019	Terminated	PLASMA FUSING	ESS053		ESS053_NP	US Patent
ব্	PCTUS2059154	11/5/2020	Pending	NOZZLE ASSEMBLY FOR PRINTER HEAD OF 3D PRINTER	ESS052	:ESS052_NP	ESS052_NP_PCT	2
US	62930662	11/5/2019	Converted	NOZZIE ASSEMBLY FOR PRINTER HEAD OF 3D PRINTER	ESS052		ESS052_NP	US Patent
Taiwan	109138729	11/5/2020	Pending	NOZZLE ASSEMBLY FOR PRINTER HEAD OF 3D PRINTER	ESS052	ESS052_NP	ESS052_NP_TW	Foreign Patent
፭	PCTUS2130075	4/30/2021	Pending	EMITTER AND METHOD FOR PLASMA FUSING OF MATERIALS	ESS051	ESS051	ESS051_PCT	፭
us	63018901	5/1/2020	Pending	EMITTER AND METHOD FOR PLASMA FUSING OF MATERIALS	ESS051		ESS051	US Patent
Taiwan	:110115824	4/30/2021	Pending	EMITTER AND METHOD FOR PLASMA FUSING OF MATERIALS	:ESS051	ESS051	ESS051_TW	Foreign Patent
us		10/31/2019	Terminated	NOVEL EXTRUSION METHOD	ESS050		ESS050_NP	US Patent
us		10/31/2019	Terminated	COMPOSITE FILMENT	ESS049		ESS049_NP	US Patent
ব্ৰ	PCT/US2020/059151	11/5/2020	Pending	HEAD OF	ESS048	ESS048_NP	ESS048_NP_PCT	2
us	62930659	11/5/2019	Converted	NOZZLE ASSEMBLY WITH A SERPENTINE PATH FOR PRINTER HEAD OF 3D	ESS048		ESS048_NP	US Patent
Taiwan	109138726	11/5/2020	Pending	Y WITH A SERPENTINE PATH FOR PRINTER HEAD OF	ESS048	ESS048_NP	ESS048_NP_TW	Foreign Patent
us		10/31/2019	Terminated	PLASNA DE-BIND	ESS047		ESS047_NP	US Patent
SUS	:29679089	2/1/2019	Issued	THREE-DIMENSIONAL PRINTER	ESSO45		ESS045	US Patent
FUIDO	:006 638 524	7/24/2019	Tselled.	THREE-DIMENSIONAL PRINTER	FSS045	FSS045	ESS045 EP DS	Foreign Patent
) (I) (I) (I) (I) (I) (I) (I) (I) (I) (I	:16268873	2/25/2010	Pending	HIGH SPEED KAINOSAN 3D FRINTIEK NAZZIE HIGH SPEED KAINOSAN 3D FRINTIEK NAZZIE HIGH SPEED KAINOSAN 3D FRINTIEK NAZZIE		EMC115	ESSOUTH_NE	OS Palein
US	62703700	7/26/2018	Converted	HIGH SPEID EXTRUSION 3D PRINTER NOZZIE	ESSO44		EMS115	US Patent
- A	0409		Pending	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	ESS044	EMS115	ESS044_PCT_SK	Foreign Patent
	11202100454X		Pending	HIGH SPEED EXTRUSION 3D PRINTER NOZELE	ESS044	EMS115	ESS044_PCT_SG	Foreign Patent
	:19 840 371.9	1/26/2021	Pending	HIGH SPEED EXTRUSION 30 PRINTER NOZZLE	ESS044	EMS115	ESS044_PCT_EP	Foreign Patent
China	2019800499364		Pending	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	ESS044	EMS115	ESS044_PCT_CN	Foreign Patent
Canada	3107073		Pending	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	ESS044	EMS115	ESS044_PCT_CA	Foreign Patent
- 1	PCTUS2016983	2/6/2020	Pending	FILAMENT BUFFER	ESS043	ESS043_NP	ESS043_NP_PCT	ሻ
US	16273825	2/12/2019	Issued	FILMMENT BUFFER	ESS043		ESS043_NP	US Patent
ঐ	PCTUS2016982	2/6/2020	Pending	INFARED HEATING OF ADDITIVE PRINTED PART	ESS042	:ESS042_NP	ESS042_NP_PCT	ሻ
US		:8/12/2021	New	INFRARED HEATING OF ADDITIVE PRINTED PART	ESS042	ESS042_NP	ESS042_PCT_US	US Patent
Endo	16273812	2/12/2019	I wow	INPAGED HEAVING OF ADDITION PART	FSS045		ESSO42 NP	IIS Patent
Finance		8/12/2021	New	INFO ADET HE ATTIME OF ADDITION DATE INFO	ESS043	PSSO42 ND	ESSOAS POT ED	Foreign Patent
2 2	PC1081963275	6102/2021	Done	PROJECTS FOR HIDWAPHOSE, PROJECULA ION OF NANOALELOUGHS INVADICES, UNITED AND ADDRESS OF REAL OFFICE OF ADDRESS OF THE ADDRESS	CENTRAL	ESSO40 NB	ESSONO PCI_NE	D D
US	17298232	5/28/2021	Pending	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	ESS040	ESSO40	ESS040_PCT_US	US Patent
US	62773649	11/30/2018	Converted	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	ESS040		ESS040	US Patent
Korea, Republic of	1020217018009	6/11/2021	Pending	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	ESS040	ESS040	ESS040_PCT_SK	Foreign Patent
Japan		5/28/2021		PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	ESS040	ESS040	:ESSO40_PCT_JP	Foreign Patent
8	19890758.6				ESS040	ESS040	ESS040_PCT_EP	Foreign Patent
China	2019800787338	5/28/2021	Pending	PROCESS FOR HOROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	ESS040	ESS040	ESS040_PCT_CN	Foreign Patent
ব্ৰ	PCT/US2014/072441	12/26/2014	Pending	FIGURATION CONTINUED HEATING OF ON FILLED POLYMER COMPOSITIES FOR ENHANCED INTER-BEBU BOWDING OF FUSED FILOMENT	ESS035	:ESS035_US_PV	ESS035_PCT_NP	ሻ
US S	61920937	12/26/2013	Converted		ESS035		ESS035 US PV	US Patent
in 6	15108217	6/24/2016	Technology	FARRICATED PARTS.	25035		ESCOSE ND	IIC Datant
ri.	2016561989	5/27/2016	Pending		ESSO35	:ESSO35_NP	ESSO35_NP_JP	Foreign Patent
Korea, Republic of	:10-2016-7020477	12/26/2014	Pending	MENGARIA DONINGO GO CONTREA DA LA CALLE CONTRACTOR OF CONT	ESS035	:ESS035_NP	ESS035_KR_NP	Foreign Patent
Japan	2019-136237	7/24/2019	Pending	NAWOLI DEOLI O BRIONCH DEGRENATURI DEMENDIA NA SALSONAMON MARINA IN OLO BULNAH GASTINONA GARANA MARINAMA PARAMETER DEGLI O BRIONCH DEGRENATURI GARANA DI PARAMETER LOS GARANA MARINAMA MARINAMA GARANA GARANA GARANA GARANA MARINAMA MA	ESS035	ESS035_NP	ESS035_JP_DIV	Foreign Patent
₽PO	14878393.9	6/24/2016	Pending	MICROMANE INDOCED COOLIZED HEALING OF UM FILLED FOLYMER COMPOSITES FOR EMBANCED INTER-BEAD BONDING OF FUSED FIDAMENT.	ESS035	:ESS035_US_PV	ESS035_EP_NP	Foreign Patent
Canada	2,935,221	12/26/2014	Pending	PRICKAMANE INDUCED COUNTIED THAT ING OF THAT PROTRIES COMPOSITIES FOR EMPIRICAD INTER-SEAD BONDING OF FUSED FLOWERS.	ESS035	:ESS035_NP	ESS035_CA_NP	Foreign Patent
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ESS-039 ESS(039) HSE 180 (logo) Pending 11/13/2018 H8E 180 S ESS(019) ESS(019) HSE 180 S Abandoned 11/13/2018 88188558 ESS(01, Or, [Mr.] J ESS(01) Abox Pending 6/1/2021 5656390 ESS(01, Or, [Mr.] J ESS(01) Abox Pending 6/1/2021 5656390 ESS(01, Or, [Mr.] J ESS(01) Abox Pending 6/1/2021 5656390 ESS(01, Or, [Mr.] J ESS(01) Abox Pending 6/1/2021 5656399 ESS(01, Or, [Mr.] J ESS(02, Or, [Mr.] J ESS(03) Hozzle Pending 6/1/2021 56565099 ESS(01, [Mr.] J ESS(02, Or, [Mr.] J ESS(03, Or, [Mr.] J Pending 6/1/2021 56565099 ESS(02, Or, [Mr.] J ESS(03, Or, [Mr.] J Pending 6/1/2021 56565099 ESS(03, Or, [Mr.] J ESS(03, Or, [Mr.] J Pending 6/1/2021 56565099 ESS(03, Or, [Mr.] J ESS(03, Or, [Mr.] J Pending 6/1/2021 56565099 ESS(03, Or, [M		ESS039	HSE 180 S	Pending		109093253	Taiwan
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ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I Pending 61/12021 55653990 ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I Pending 61/12021 556539734 ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I Pending 61/12021 55656999 ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I Pending 61/12021 55656999 ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I Pending 61/12021 55656999 ESSOPI_CN_IM_L/I ESSOPI_CN_IM_L/I ESSOPI_IM_IM_Filament Care System Pending 61/12021 55656999 ESSOPI_CN_IM_L/I ESSOPI_IM_IM_Filament Care System Pending 61/12021 5565699		ESS039	H5E 180 S	Abandoned	11/13/2018	88188558	SUS
ESSOR1_CN_LITV_17 ESSOR1 ESSOR1 ESSOR2		ESS041			6/1/2021	56563690	China
ESSOP4 ESSOP4 Actoox Pending 2/1/2019 88258-473 ESSOP6_CV_ITV_IV ESSOP6 Hozzle Pending 6/1/2021 55555099 ESSOP6_CV_ITV_IV ESSOP6 Hozzle Pending 6/1/2021 55551885 ESSOP6_CV_ITV_IV ESSOP6 Hozzle Pending 2/1/2019 88258-497 ESSOP6_CV_ITV_IV ESSOP6 Hozzle Pending 2/1/2019 88258-497 ESSOP6_CV_ITV_IV ESSOP6 Hozzle Pending 6/1/2021 5656-246 ESSOP6_CV_ITV_IV ESSOP6 Hozzle Pending 6/1/2021 56569/38 ESSOP6_CV_ITV_IV ESSOP6 ESSOP1/LIV Flament Care System Pending 6/1/2021 56569/38	:	ESS041			6/1/2021	56550734	China
ESSONG_CN_TIM_J7 ESSONG_CN_TIM_J7 ESSONG_CN_TIM_J7 ESSONG_CN_TIM_J7 Pending 6/1/2021 55655099 ESSONG_CN_TIM_J7 ESSONG Hoozale Pending 6/1/2021 56551885 ESSONG_CN_TIM_L7 ESSONG Hoozale Pending 2/1/2019 38235497 ESSONG_CN_TIM_L7 ESSONG ESSENTILIM Filament Care System Pending 6/1/2021 56550758 ESSONG_CN_TIM_L7 ESSONG ESSENTILIM Filament Care System Pending 6/1/2021 56550758		ESS041	;ArtorX	Pending	2/1/2019	:88285473	US
ESSOP6_CV_ITM_7 ESSOP46 Hozzle 56551885 ESSOP6 ESSOP6 Hozzle Pending 2/1/2021 38235-997 ESSOP6_UTM_12 ESSOPS ESSOPTILM Flament Care System Pending 6/1/2021 36565-26 ESSOPS_CV_ITM_17 ESSOPS ESSEPTILM Flament Care System Pending 6/1/2021 365597/58		ESS046	Hozzie	Pending	6/1/2021	56565099	China
ESSIONS		:ES:046	Hozzle	Pending	6/1/2021	56551885	China
ED3005_CV_[IPI_LV ED3005 ED3001 (Lift inflament Care System ED3005_CV_[IPI_LV	1000	E55046		Pending	2/1/2019	:88285497	05
253052 : 250052 : 250053 : 250		COUCCE	IDSENTION FINANCIA FOR THE PROPERTY FOR THE P	Pending	6/1/2021	-56560750	Clina
		:05055	EDSHIRI HIMEIRI CARE SYSTEM	Pending	P/1/2021	36705685	:Cnina

.E.	88843965		Pending	TRIFUSION	:TRI104	
		8/6/2021	New	:Photonic Tooling	ES2226	US Trademark ESS226_US_TM
Singapore	40202117245P	7/20/2021	Pending	ESSENTIUM WRX (logo two line)	ES185	Foreign Trademark :ESS185_SG_TM
China		6/30/2021	New	EssentiumWRX	ESS185	oreign Trademark ESS185_CN_TM_42
China		6/30/2021	New	EssentiumWRX	ES185	oreign Trademark :ESS185_CN_TM_40
Canada	2121832	7/20/2021	Pending	EssentiumWRX	ESS185	oreign Trademark :ESS185_CA_TM
Singapore	:40202117244R	7/20/2021	Pending	ESSENTIUM WRX	ESS184	oreign Trademark :ESS184_SG_TM
China		6/30/2021	New	EssentiumWRX	ES184	oreign Trademark :ESS184_CN_TM_42
China		6/30/2021	New	EssentiumWRX	ESS184	oreign Trademark :ESS184_CN_TM_40
Canada	2121830	7/20/2021	Pending	EssentiumWRX	ES184	oreign Trademark ESS184_CA_TM
SUS	90632737	4/8/2021	Pending	FLASHFUSE	ES162	JS Trademark ESS162_US_TM
	:54661057	3/25/2021	Pending	Essentium (Transliteration 2)	ES145	oreign Trademark :ESS145_CN_TM_6
China	54661057	3/25/2021	Pending	Essentium (Transliteration 2)	ESS145	oreign Trademark ESS145_CN_TM_7
China	:54635905	3/25/2021	Pending	Essentium (Transliteration 2)	ESS145	oreign Trademark :ESS145_CN_TM_17
China	54635896	3/25/2021	Pending	Essentium (Transliteration 2)	ESS145	oreign Trademark ESS145_CN_TM_11
		3/25/2021	Pending	Essentium (Transliteration 1)	ES144	oreign Trademark :ESS144_CN_TM_6
China	54661023	3/25/2021	Pending	Essentium (Transliteration 1)	ES144	oreign Trademark :ESS144_CN_TM_7
China	54665548	3/25/2021	Pending	Essentium (Transliteration 1)	ES144	oreign Trademark ESS144_CN_TM_17
China	54642910	3/25/2021	Pending	Essentium (Transliteration 1)	ESS144	oreign Trademark :ESS144_CN_TM_11
SU		1/29/2014	:Abandoned	BUILDING THE NEXT GENERATION OF ESSENTIAL MATERIALS	:ESS129	JS Trademark :ESS129_US_TM
SUS	90168659	9/9/2020	:Pending	ESSENTIUM HSE	ESS117	
	:44873899	3/25/2020	Registered	ESSENTIUM	:ESS115	
China	35918051	1/14/2019	Pending	ESSENTIUM	ES314	oreign Trademark :ESS114_CN_TM_7
US	90168613	9/9/2020	Pending	ESSENTIUM HSE 180S	ES311	JS Trademark ESS111_US_TM
SN:	90751738		Pending	EssentiumX	ES096	JS Trademark ESS096
SUS	90726842	5/21/2021	Pending	EssentiumWRX	ESS095	ESS095
Singapore	40202117243T	7/20/2021	Pending	ESSENTIUM WRX	ESS095	!
Canada	2121827	7/20/2021	Pending	EssentiumWRX	:ESS095	
Singapore	:40202003294X	2/14/2020	Registered	E (stylized logo - color)		ESS092_SG_TM
8	018198133	2/19/2020	Registered	E (stylized logo - color)		oreign Trademark :ESS092_EP_TM :ESS072
China	:4424030	2/27/2020	Registered	E (stylized hon - color)	:FSC043	oreign Trademark :ESSOQ2 ON TM 7
China a		2/24/2020	Panding	E (stylized hap = color)	ECC002	
	:44240226	0202/02/1	. rending	E (stylized logo)	2/05(2)	Oreign Trademark ECCOD ON TM 11
· laiwan	109093254	1/28/2020	Pending	:E (stylized logo - black)	2/05/3	a R
Singapore	:40202003293V	2/14/2020	Registered	E (stylized logo - black)		oreign Trademark ESS072_SG_TM :ESS072
Po	:018198131	2/19/2020	Registered	E (stylized logo - black)		oreign Trademark ESS072_EP_TM ESS072
China	44182644	2/24/2020	Pending	E (stylized logo - black)		oreign Trademark ESS072_CN_TM_17 ESS072
China	44240231	2/27/2020	Registered	E (stylized logo - black)	72 ESS072	oreign Trademark ESS072_CN_TM_11 :ESS072
China	:44240232	2/27/2020	Registered	E (stylized logo - black)	72 :ESS072	oreign Trademark :ESS072_CN_TM :ESS072
SU	:88684981	11/8/2019	:Allowed	stylized logo for E Essentium Industrial Additive	:ESS064	JS Trademark :ESS064
SU	:88684970	11/8/2019	Pending	:ESSENTIUM Industrial Additive	ESS063	JS Trademark ESS063
China	56564298	6/1/2021	Pending	ESSENTIUM Industrial Additive	:ES063	
China	56563389	6/1/2021	Pending	ESSENTIUM Industrial Additive	ESS063	
China	56570503	6/1/2021	Pending	ESSENTIUM Industrial Additive	ES5063	
China	56570494	6/1/2021	Pending	ESSENTIUM Industrial Additive	ES063	oreign Trademark :ESS063_CN_TM_17
SUS	88684853	11/8/2019	Pending	Industrial Additive	:ESS062	
:China	56553117	6/1/2021	Pending	Industrial Additive	ESS062	
China	56539216	6/1/2021	Pending	Industrial Additive	ESS062	
:China	56565467	6/1/2021	Pending	:Industrial Additive	ESS062	
China	56565458	6/1/2021	Pending	Industrial Additive	ESS062	nark
SUS	88285521	2/1/2019	:Allowed	ESSENTIUM FILAMENT CARE SYSTEM	ESS055	JS Trademark ESS055
:CIIIId	•					

RECORDED: 09/20/2021