

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7172879

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
ESSENTIUM, INC.	09/02/2021

RECEIVING PARTY DATA

Name:	QSHGP, INC.
Street Address:	8801 SOUTH YALE AVE.
Internal Address:	SUITE 380
City:	TULSA
State/Country:	OKLAHOMA
Postal Code:	74137

PROPERTY NUMBERS Total: 29

Property Type	Number
PCT Number:	US2015034004
PCT Number:	US1628436
PCT Number:	US2016040487
PCT Number:	US2017059878
PCT Number:	US2018018629
PCT Number:	US2018033409
PCT Number:	US2018036038
PCT Number:	US2018062605
PCT Number:	US2019017235
PCT Number:	US1943894
PCT Number:	US2014072441
PCT Number:	US1963275
PCT Number:	US2016982
PCT Number:	US2016983
PCT Number:	US2019043427
PCT Number:	US2020059151
PCT Number:	US2130075
PCT Number:	US2059154
PCT Number:	US2016979

PATENT

Property Type	Number
PCT Number:	US2019023197
PCT Number:	US2041504
PCT Number:	US2019245
PCT Number:	US2063736
PCT Number:	US2024682
PCT Number:	US2129075
PCT Number:	US2021030225
PCT Number:	US2136150
PCT Number:	US2139841
PCT Number:	US2018057084

CORRESPONDENCE DATA

Fax Number: (214)661-4552

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: ptomail1@bakerbotts.com

Correspondent Name: BAKER BOTTS L.L.P.

Address Line 1: 2001 ROSS AVENUE, SUITE 900

Address Line 4: DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER:	004157.0614
NAME OF SUBMITTER:	ESMERALDA E. PADEN
SIGNATURE:	/EEPaden/
DATE SIGNED:	02/11/2022

Total Attachments: 12

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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. Grant of Security. 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 Schedule 1 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 Schedule 2 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. Recordation. 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. Loan Documents. 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. Execution in Counterparts. 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. Successors and Assigns. 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. Governing Law. 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]

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.

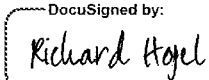
DocuSigned by:

By: _____
Name: Blake Teipel
Title: Chief Executive Officer

Address for Notices:
19025 N. Heatherwilde Blvd., Suite 100
Pflugerville, TX 78660

AGREED TO AND ACCEPTED:

QSHGP, INC., as Collateral Agent

DocuSigned by:

By: _____
Name: Richard C. Hojel
Title: Chairman

Address for Notices:

8801 South Yale Ave., Suite 380

Tulsa, OK 74137

SCHEDULE 1

PATENTS

[See attached.]

PCT	ESS092_PCT	ESS092	ESS092	ESS092	HIGH FREQUENCY ADHESIVE BONDING	Done	7/29/2019	PCT/US1943894	PCT
Foreign Patent	ESS095_CU_MP	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Pending	12/26/2014	2,935,221	Canada
Foreign Patent	ESS095_EP_MP	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Pending	6/24/2016	1,487,933.9	Japan
Foreign Patent	ESS095_IP_DIV	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Pending	7/24/2019	2019-13627	EPO
Foreign Patent	ESS095_RU_MP	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Pending	12/26/2014	10-2016-702977	Korea, Republic of
Foreign Patent	ESS095_NP_MP	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Pending	6/27/2016	2016051989	Japan
US Patent	ESS095_CMT	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Issued	7/19/2019	6,617,719	US
US Patent	ESS095_NP	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Issued	6/24/2016	1,510,817	US
US Patent	ESS095_US_PV	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Converted	12/26/2013	6,920,937	US
PCT	ESS095_PCT_MP	ESS095	ESS095	ESS095	HYDROLYZABLE INTERBEDDED BONDING OF CUR FILLED POLYMER COMPOSITES FOR ENHANCED INTERBEDDED BONDING OF FUSED FILAMENT FABRICATED PARTS	Pending	12/26/2014	PCT/US2014/072441	PCT
Foreign Patent	ESS090_PCT_CN	ESS090	ESS090	ESS090	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	Pending	5/28/2021	201960079738	China
Foreign Patent	ESS090_PCT_EP	ESS090	ESS090	ESS090	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	Pending	5/28/2021	1,989,075.6	EPO
Foreign Patent	ESS090_PCT_JP	ESS090	ESS090	ESS090	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	Pending	6/11/2021	1,020,2170,8009	Japan
Foreign Patent	ESS090_PCT_SK	ESS090	ESS090	ESS090	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	Converted	11/20/2018	6,627,364.9	Korea, Republic of
US Patent	ESS090_PCT_US	ESS090	ESS090	ESS090	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	Pending	5/28/2021	1,729,632	US
PCT	ESS090_PCT_MP	ESS090	ESS090	ESS090	PROCESS FOR HYDROPHOBIC MODIFICATION OF NANOCELLULOSE DURING MANUFACTURING	Done	11/26/2019	PCT/US1963275	PCT
Foreign Patent	ESS092_PCT_CN	ESS092	ESS092	ESS092	INFRARED HEATING OF ADDITIVE PRINTED PART	New	8/12/2021		China
Foreign Patent	ESS092_PCT_EP	ESS092	ESS092	ESS092	INFRARED HEATING OF ADDITIVE PRINTED PART	New	8/12/2021		China
US Patent	ESS092_PCT_US	ESS092	ESS092	ESS092	INFRARED HEATING OF ADDITIVE PRINTED PART	Issued	2/12/2019	1,627,381.2	US
US Patent	ESS092_MP	ESS092	ESS092	ESS092	INFRARED HEATING OF ADDITIVE PRINTED PART	Issued	8/12/2021		US
PCT	ESS092_PCT_MP	ESS092	ESS092	ESS092	INFRARED HEATING OF ADDITIVE PRINTED PART	Pending	2/6/2020	PCT/US2016982	PCT
US Patent	ESS093_MP	ESS093	ESS093	ESS093	FILAMENT BUFFER	Issued	2/12/2019	1,627,382.5	US
Foreign Patent	ESS094_PCT_CN	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	2/6/2020	PCT/US2016983	PCT
Foreign Patent	ESS094_PCT_CA	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	1/20/2021	3,107,073	Canada
Foreign Patent	ESS094_PCT_CN	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	1/26/2021	201960099354	China
Foreign Patent	ESS094_PCT_EP	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	1/26/2021	1,946,371.9	EPO
Foreign Patent	ESS094_PCT_SK	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	1/15/2021	11,202,00454X	Singapore
US Patent	ESS094_PCT_US	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Converted	2/9/2021	10-2021-7006956	Korea, Republic of
US Patent	ESS094_MP	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	7/26/2018	6,627,070	US
US Patent	ESS094_NP	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Pending	2/6/2019	1,626,897.3	US
Foreign Patent	ESS094_EP_DS	ESS094	ESS094	ESS094	HIGH SPEED EXTRUSION 3D PRINTER NOZZLE	Issued	7/24/2019	006,638,524	EIPO
US Patent	ESS095	ESS095	ESS095	ESS095	THREE-DIMENSIONAL PRINTER	Issued	2/1/2019	2,967,908.9	US
Foreign Patent	ESS094_PCT_MP	ESS094	ESS094	ESS094	THREE-DIMENSIONAL PRINTER	Issued	7/24/2019	PCT/US1943427	PCT
US Patent	ESS097_MP	ESS097	ESS097	ESS097	PLASMA DIE BOND	Terminated	10/31/2019		US
Foreign Patent	ESS098_MP_TW	ESS098	ESS098	ESS098	NOZZLE ASSEMBLY WITH A SERPENTINE PATH FOR PRINTER HEAD OF 3D	Pending	11/5/2020	1,091,38726	Taiwan
US Patent	ESS098_NP	ESS098	ESS098	ESS098	NOZZLE ASSEMBLY WITH A SERPENTINE PATH FOR PRINTER HEAD OF 3D	Converted	11/5/2019	6,629,065.9	US
PCT	ESS098_PCT_MP	ESS098	ESS098	ESS098	NOZZLE ASSEMBLY WITH A SERPENTINE PATH FOR PRINTER HEAD OF 3D	Pending	11/5/2020	PCT/US2020059151	PCT
US Patent	ESS099_MP	ESS099	ESS099	ESS099	COMPOSITE FILAMENT	Terminated	10/31/2019		US
US Patent	ESS099_NP	ESS099	ESS099	ESS099	COMPOSITE FILAMENT	Terminated	10/31/2019		US
Foreign Patent	ESS091_TV	ESS091	ESS091	ESS091	NOVEL EXTRUSION METHOD	Terminated	10/31/2019		US
US Patent	ESS091	ESS091	ESS091	ESS091	EMITTER AND METHOD FOR PLASMA FUSING OF MATERIALS	Pending	4/30/2021	1,101,15824	Taiwan
US Patent	ESS091_MP	ESS091	ESS091	ESS091	EMITTER AND METHOD FOR PLASMA FUSING OF MATERIALS	Pending	5/11/2020	6,630,890.1	US
Foreign Patent	ESS092_MP_TW	ESS092	ESS092	ESS092	EMITTER AND METHOD FOR PLASMA FUSING OF MATERIALS	Pending	4/30/2021	PCT/US130075	PCT
US Patent	ESS092_NP	ESS092	ESS092	ESS092	NOZZLE ASSEMBLY FOR PRINTER HEAD OF 3D PRINTER	Pending	11/5/2020	1,091,38729	Taiwan
US Patent	ESS092_PCT	ESS092	ESS092	ESS092	NOZZLE ASSEMBLY FOR PRINTER HEAD OF 3D PRINTER	Converted	11/5/2019	6,629,066.2	US
PCT	ESS092_PCT_MP	ESS092	ESS092	ESS092	NOZZLE ASSEMBLY FOR PRINTER HEAD OF 3D PRINTER	Pending	11/5/2020	PCT/US202009154	PCT
US Patent	ESS093_MP	ESS093	ESS093	ESS093	PLASMA FUSING	Terminated	1/25/2019		US
US Patent	ESS094_NP	ESS094	ESS094	ESS094	THREE-DIMENSIONAL PRINTER HEAD INCLUDING AN AUTOMATIC TOUCHDOWN APPARATUS	Issued	3/20/2019	1,635,967.1	US
US Patent	ESS094_US_CMT	ESS094	ESS094	ESS094	THREE-DIMENSIONAL PRINTER HEAD INCLUDING AN AUTOMATIC TOUCHDOWN APPARATUS	Pending	7/21/2021	1,736,658	US
US Patent	ESS096_MP	ESS096	ESS096	ESS096	FILAMENT CONTAINER	Pending	3/29/2019	1,637,013.5	US
PCT	ESS096_PCT_MP	ESS096	ESS096	ESS096	FILAMENT CONTAINER	Pending	2/6/2020	PCT/US2016979	PCT
Foreign Patent	ESS097_PCT_CA	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Pending	9/17/2020	3,094,935	Canada
Foreign Patent	ESS097_PCT_CN	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Pending	11/23/2020	201960034810X	China
Foreign Patent	ESS097_PCT_EP	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Pending	10/9/2020	1,977,095.5	EPO
Foreign Patent	ESS097_PCT_JR	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Pending	10/19/2020	10-2020-702952	Korea, Republic of
Foreign Patent	ESS097_PCT_SK	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Pending	9/16/2020	11,202,009061R	Singapore
US Patent	ESS097_PCT_US	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Converted	3/21/2018	6,667,601.9	US
US Patent	ESS097_PCT_US	ESS097	ESS097	ESS097	HIGH SPEED EXTRUSION 3-D PRINTING SYSTEM	Pending	9/21/2020	1,668,889	US
Foreign Patent	ESS098_CN_DS	ESS098	ESS098	ESS098	FILAMENT CART	Done	3/20/2019	PCT/US19123197	PCT
Foreign Patent	ESS098_EP_DS	ESS098	ESS098	ESS098	FILAMENT CART	Issued	9/4/2019	201939681747	China
Foreign Patent	ESS098	ESS098	ESS098	ESS098	FILAMENT CART	Issued	9/5/2019	006,814,414	EIPO

US Patent	ESS058		ESS058	FLUORENT CART	Issued	3/29/2019	32665715	US
Foreign Patent	ESS065		ESS065	APPARATUS AND PROCESS FOR SEALING OF GAPS IN PARTS MANUFACTURED VIA 3D PRINTING TECHNIQUES	Pending	12/11/2020	109143783	Taiwan
US Patent	ESS065		ESS065	APPARATUS AND PROCESS FOR SEALING OF GAPS IN PARTS MANUFACTURED VIA 3D PRINTING TECHNIQUES	Converted	7/12/2019	52873519	US
Foreign Patent	ESS065	PCT	ESS065	APPARATUS AND PROCESS FOR SEALING OF GAPS IN PARTS MANUFACTURED VIA 3D PRINTING TECHNIQUES	Pending	7/10/2020	PCT/US201504	US
Foreign Patent	ESS067		ESS067	SPLIT SPOOL ASSEMBLY FOR A THREE-DIMENSIONAL PRINTER	Abandoned			Taiwan
Foreign Patent	ESS067	US, PRV, PCT	ESS067	SPLIT SPOOL ASSEMBLY FOR A THREE-DIMENSIONAL PRINTER	Pending	12/9/2020	109142772	Taiwan
Foreign Patent	ESS067	US, PRV, TV	ESS067	SPLIT SPOOL ASSEMBLY FOR A THREE-DIMENSIONAL PRINTER	Converted	12/9/2019	52945620	US
Foreign Patent	ESS067	US, PRV, TV	ESS067	SPLIT SPOOL ASSEMBLY FOR A THREE-DIMENSIONAL PRINTER	Converted	12/9/2020	PCT/US2019245	US
Foreign Patent	ESS069		ESS069	MODULE, DAMPED X-Y-Z THREE DIMENSIONAL PRINTER CONSTRUCTION	Pending	12/9/2019	109143462	Taiwan
Foreign Patent	ESS069	US, PRV, PCT	ESS069	MODULE, DAMPED X-Y-Z THREE DIMENSIONAL PRINTER CONSTRUCTION	Converted	12/9/2019	52945399	US
Foreign Patent	ESS069	US, PRV, TV	ESS069	MODULE, DAMPED X-Y-Z THREE DIMENSIONAL PRINTER CONSTRUCTION	Pending	12/8/2020	PCT/US20163736	US
Foreign Patent	ESS070		ESS070	GANTRY ASSEMBLY FOR ADDITIVE MANUFACTURING MACHINE	Pending	12/9/2020	109143463	Taiwan
Foreign Patent	ESS070	US, PRV, TV	ESS070	GANTRY ASSEMBLY FOR ADDITIVE MANUFACTURING MACHINE	Converted	12/9/2019	52945355	US
Foreign Patent	ESS070	US, PRV, TV	ESS070	GANTRY ASSEMBLY FOR ADDITIVE MANUFACTURING MACHINE	Converted	3/25/2020	PCT/US2024682	US
US Patent	ESS084		ESS084	Down In	Helled	9/30/2020		US
US Patent	ESS085		ESS085	Continue printing - moving support beds	Helled	9/30/2020		US
US Patent	ESS086		ESS086	Venting System	Helled	9/30/2020		US
US Patent	ESS087		ESS087	Drawer Mounted Build Trays	Helled	9/30/2020		US
US Patent	ESS088		ESS088	Priza Box Isolation	Helled	9/30/2020		US
US Patent	ESS089		ESS089	Filament Auto-change	Helled	9/30/2020		US
US Patent	ESS091		ESS091	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS092		ESS092	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS093		ESS093	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS094		ESS094	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS095		ESS095	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS096		ESS096	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS097		ESS097	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS098		ESS098	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS099		ESS099	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS099		ESS099	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS099		ESS099	3D PRINTABLE FILAMENTS INCLUDING ANTIPLA SHEATHS	Helled	9/30/2020		US
US Patent	ESS101		ESS101	PRINTABLE, REUSABLE, MODULE MASK SYSTEM	Abandoned	5/6/2020	52900827	US
US Patent	ESS102		ESS102	FLAT-PACK FACEMASK	Abandoned	5/8/2020	52022082	US
Foreign Patent	ESS104		ESS104	X-RAY CARTRIDGE ASSEMBLY	New	9/21/2021		Taiwan
US Patent	ESS104		ESS104	X-RAY CARTRIDGE ASSEMBLY	Pending	9/21/2020	17026465	US
Foreign Patent	ESS104		ESS104	X-RAY CARTRIDGE ASSEMBLY	New	9/21/2020		Taiwan
Foreign Patent	ESS105		ESS105	TOOLING FORWARD REON A 3D PRINTED TOOLING SCAFFOLD	Pending	6/8/2021	110120755	US
US Patent	ESS105		ESS105	3D PRINTED TOOLING SCAFFOLD	Pending	6/9/2020	52035677	US
US Patent	ESS105		ESS105	3D PRINTED TOOLING SCAFFOLD	Pending	6/9/2020	52035677	US
US Patent	ESS106		ESS106	TOOLING FORWARD REON A 3D PRINTED TOOLING SCAFFOLD	Pending	6/7/2021	PCT/US2118150	US
US Patent	ESS106		ESS106	TOOLING FORWARD REON A 3D PRINTED TOOLING SCAFFOLD	Pending	6/30/2020	52046185	US
US Patent	ESS106		ESS106	TOOLING FORWARD REON A 3D PRINTED TOOLING SCAFFOLD	Pending	6/30/2021	PCT/US2139841	US
US Patent	ESS108		ESS108	ADAPTIVE TOOLPATH FOR PRODUCING MATERIAL EXTRUSION 3D PRINTED MECHANICAL TESTING SPECIMENS	Pending	9/11/2020	52004151	US
US Patent	ESS109		ESS109	OPTIMIZING PRINT PROCESS PARAMETERS IN 3D PRINTING	Pending	8/31/2020	52072556	US
US Patent	ESS109		ESS109	NOZZLE FOR PRODUCING EXTRUSION 3D PRINTED MATERIALS	Pending	9/22/2020	52081640	US
US Patent	ESS110		ESS110	Scale conversion process for systems analysis and optimization	Pending	9/22/2020	52081640	US
US Patent	ESS120		ESS120	EXTRUSION DIE INCLUDING A MANDREL	Pending	2/2/2021	52146888	US
US Patent	ESS136		ESS136	FORCED CONNECTION THERMAL HISTORY MANAGEMENT SYSTEM	Pending	4/13/2021	52143798	US
US Patent	ESS140		ESS140	ADAPTIVE SUPPORT MATERIAL FOR DIRECTED ENERGY DEPOSITION (DED) ADDITIVE MANUFACTURING	Pending	1/29/2021	52143799	US
US Patent	ESS140	P2	ESS140	HOT TOOL CONTROL SMOOTHING FOR MATERIAL EXTRUSION 3D PRINTED PARTS	Pending	1/29/2021	52143796	US
US Patent	ESS140	US, NP	ESS140	HOT TOOL CONTROL SMOOTHING FOR MATERIAL EXTRUSION 3D PRINTED PARTS	New	3/31/2021		US
US Patent	ESS142		ESS142	Contour Smoothing for Material Extrusion	New	1/29/2022		US
US Patent	ESS142		ESS142	Contour Smoothing for Material Extrusion	Pending	1/29/2021	52143861	US
US Patent	ESS142	P2	ESS142	COMPOSITE BUILD SURFACE FOR DIRECTED ENERGY DEPOSITION (DED) ADDITIVE MANUFACTURING	Pending	1/29/2021	52143860	US
US Patent	ESS143		ESS143	BUILD SUBSTRATE FOR DIRECTED ENERGY DEPOSITION (DED) ADDITIVE MANUFACTURING	Pending	2/11/2021	52143860	US
US Patent	ESS143		ESS143	CONICAL CUD WIRE FEEDSTOCK FOR DIRECTED ENERGY DEPOSITION (DED) ADDITIVE MANUFACTURING	Pending	1/29/2021	52143860	US
US Patent	ESS143	P2	ESS143	CONICAL CUD WIRE FEEDSTOCK FOR DIRECTED ENERGY DEPOSITION (DED) ADDITIVE MANUFACTURING	Pending	2/12/2021	52143899	US
US Patent	ESS148		ESS148	QUAD WIRE FEEDSTOCK FOR DIRECTED ENERGY DEPOSITION (DED) ADDITIVE MANUFACTURING	Pending	4/27/2021	52160268	US
US Patent	ESS149		ESS149	ROTARY RECEIVER FOR A THREE-DIMENSIONAL PRINTER HEAD	Pending	4/27/2021	52160268	US
US Patent	ESS151		ESS151	VERTICAL HEIGHT ADJUSTMENT SYSTEM FOR A THREE-DIMENSIONAL PRINTER HEAD	Pending	4/27/2021	52160267	US
US Patent	ESS151	US, NP	ESS151	TOPOGRAPHIC COMPENSATION FOR A THREE-DIMENSIONAL DUAL PRINTER	Pending	4/28/2021	52160998	US
US Patent	ESS152		ESS152	THREE-DIMENSIONAL PRINTER COMPRISING FIRST AND SECOND PRINT HEADS AND FIRST, SECOND, AND THIRD DIVIDERS	Pending	4/27/2021	112741843	US
US Patent	ESS153		ESS153	Feed System and Buffer	Terminated	4/27/2021		US
US Patent	ESS153		ESS153	THREE-DIMENSIONAL PRINTER COMPRISING AT LEAST ONE WIRE ASSEMBLY	Pending	4/27/2021	52160437	US
US Patent	ESS154		ESS154	THREE-DIMENSIONAL PRINTER COMPRISING AT LEAST ONE WIRE ASSEMBLY	Pending	4/27/2021	52160438	US
US Patent	ESS154		ESS154	THREE-DIMENSIONAL PRINTER COMPRISING A CALIBRATION SWITCH AND A METHOD OF CALIBRATING THE SAME	Abandoned	4/27/2021	52160438	US
US Patent	ESS155		ESS155	Method of Vibrationless Filter	Abandoned	4/27/2021		US
US Patent	ESS156		ESS156	FOUR MODE ADDITIVE MANUFACTURING MACHINE	Pending	4/23/2021	11273857	US
US Patent	ESS157		ESS157	Run Out Sensor	Terminated	5/6/2021		US
US Patent	ESS158		ESS158	DETECTING LACK OF ADHESION OF A BUILD PLATE TO A SUPPORT BED	Pending	6/18/2021	117351681	US

US Patent	ESS159		ESS159	Dual Head Control	Filed	7/11/2021		US
US Patent	ESS160 US D		ESS160	GRAPHICAL USER INTERFACE FOR PRESENTATION ON A DISPLAY SCREEN OR PORTION THEREOF	Pending	4/27/2021	29780995	US
US Patent	ESS161		ESS161	Nozzle Pre-Heat	Pending	4/28/2021	63180971	US
US Patent	ESS167 US D		ESS167	GRAPHICAL USER INTERFACE FOR PRESENTATION ON A DISPLAY SCREEN OR PORTION THEREOF	Pending	4/27/2021	29780999	US
US Patent	ESS168		ESS168	3D PRINTER SYSTEM INCLUDING HARDWARE ABSTRACTION LAYER	Pending	4/28/2021	63180932	US
US Patent	ESS182		ESS182	JAM Value Banking	New	7/21/2021		US
US Patent	ESS182 PRV		ESS182	JAM Value Banking	Pending	6/15/2021	63210785	US
US Patent	ESS187		ESS187	Flament Buffer	New	8/14/2021		US
US Patent	ESS227		ESS227	Head	New	7/30/2021		US
US Patent	ESS228		ESS228	Wire Pre-heating	New	7/30/2021		US
US Patent	ESS229		ESS229	Support Bed	Abandoned			US
US Patent	ESS230		ESS230	Environmental Chamber Control	New	7/30/2021		US
US Patent	ESS231		ESS231	Wire Feeding	New	7/30/2021		US
US Patent	ESS232		ESS232	Process Controls	New	7/30/2021		US
US Patent	ESS233		ESS233	Reduction of wastage - preventing potato chipping	New	7/30/2021		US
US Patent	ESS234		ESS234	Feeding Wire Traces	Abandoned			US
US Patent	ESS235		ESS235	Wire Diameter Adjustment Mechanisms	Pending	7/22/2021	63224844	US
US Patent	ESS237		ESS237	ADDITIVE CHEMISTRIES FOR ENABLING IN-SITU CURING OF THERMOSET RESINS FOR ADDITIVE MANUFACTURING PROCESSES	Pending	7/22/2021	63224842	US
US Patent	ESS241		ESS241	THERMOSET DEPOSITION SYSTEM	Pending	9/2/2021		US
US Patent	ESS242		ESS242	Chamber Catalytic Converter	New	9/2/2021		US
Foreign Patent	TR1101_PCT_CA		TR1101	THREE DIMENSIONAL PRINT METHOD AND PART	Pending	4/23/2020	20801150	Canada
Foreign Patent	TR1101_PCT_CN		TR1101	THREE DIMENSIONAL PRINT METHOD AND PART	Pending	6/3/2020	201889078397X	China
Foreign Patent	TR1101_PCT_EP		TR1101	THREE DIMENSIONAL PRINT METHOD AND PART	Pending	5/22/2020	18 870 769 9	EP
Foreign Patent	TR1101_PCT_SG		TR1101	THREE DIMENSIONAL PRINT METHOD AND PART	Pending	4/20/2020	11202003579R	Singapore
Foreign Patent	TR1101_PCT_US		TR1101	THREE DIMENSIONAL PRINT METHOD AND PART	Pending	4/23/2020	16758716	United States of America
US Patent	TR1101_PCT		TR1101	THREE DIMENSIONAL PRINT METHOD AND PART	Converted	10/23/2017	62575810	US
US Patent	TR1103_IP		TR1103	Integrated Attachment and Suspension Feature for 3D Printed Prosthetic Sockets	Done	10/23/2018	PCT/US18/57084	PCT
US Patent	TR1103_IP		TR1103		New	4/15/2021		US

SCHEDULE 2

TRADEMARKS

[See attached.]

US Trademark	EMS-108			EMS108	STE (letters only)	Terminated	10/1/2021		US
US Trademark	EMS109			EMS109	STE (logo)	New	12/15/2021		US
US Trademark	EMS110			EMS110	STE (phrase)	Terminated	12/15/2021		US
US Trademark	EMS111			EMS111	HSE	Terminated	3/31/2018		US
US Trademark	EMS112			EMS112	HSE 180	Terminated	3/31/2018		US
US Trademark	EMS113			EMS113	HSE Fishface	Terminated	12/15/2021		US
US Trademark	EMS114			EMS114	HSE (stylized logo)	New	12/15/2021		US
US Trademark	EMS005			EMS005	Fuse	Granted	11/24/2016		US
US Trademark	EMS006			EMS006	Fuse Filament	Granted	11/24/2016		US
US Trademark	EMS007			EMS007	Fuse Process	Granted	11/24/2016		US
Foreign Trademark	ESS016_CN_TM		ESS016	ESS016	Fishface	Registered	12/5/2019	-42847297	China
Foreign Trademark	ESS016_CN_TM_7		ESS016	ESS016	Fishface	Registered	12/9/2019	-42909249	China
Foreign Trademark	ESS016_CN_TM_7		ESS016	ESS016	Fishface	Registered	10/10/2019	018 134 994	EP
Foreign Trademark	ESS016_CN_TM_9		ESS016	ESS016	Fishface	Registered	10/8/2019	-40201921876V	Singapore
Foreign Trademark	ESS017_CN_TM_7		ESS017	ESS017	Fusebox	Abandoned	2/1/2017	87320681	US
Foreign Trademark	ESS017_CN_TM_9		ESS017	ESS017	Fusebox	Pending	5/24/2021	56309324	China
Foreign Trademark	ESS017_CN_TM_7		ESS017	ESS017	Fusebox	Granted	6/30/2021	87320665	China
Foreign Trademark	ESS020_CN_TM		ESS020	ESS020	ESSENTIUM	Registered	2/1/2017	87320665	US
Foreign Trademark	ESS020_CN_TM_17		ESS020	ESS020	ESSENTIUM	New	6/30/2021	-42035003	Canada
Foreign Trademark	ESS020_CN_TM_7		ESS020	ESS020	ESSENTIUM	Registered	11/1/2019	-42035003	US
Foreign Trademark	ESS020_CN_TM_7		ESS020	ESS020	ESSENTIUM	Pending	11/25/2019	-4254728	China
Foreign Trademark	ESS020_CN_TM_9		ESS020	ESS020	ESSENTIUM	Abandoned	11/6/2019	-42140773	China
Foreign Trademark	ESS020_CN_TM2		ESS020	ESS020	ESSENTIUM	Pending	8/25/2020	-49199416	China
Foreign Trademark	ESS020_CN_TM		ESS020	ESS020	ESSENTIUM	Pending	9/30/2019	018130656	EP
Foreign Trademark	ESS020_CN_TM		ESS020	ESS020	ESSENTIUM	Registered	9/18/2019	-40201920219Q	Singapore
Foreign Trademark	ESS020_CN_TM		ESS020	ESS020	ESSENTIUM	Pending	12/30/2020	109093251	Taiwan
Foreign Trademark	ESS021_CN_TM_42		ESS021	ESS021	ESSENTIUM BUILD YOUR WORLD	Registered	3/17/2017	87375750	US
Foreign Trademark	ESS021_CN_TM_17		ESS021	ESS021	ESSENTIUM BUILD YOUR WORLD	Terminated	4/9/2021		China
Foreign Trademark	ESS022_CN_TM_17		ESS022	ESS022	ESSENTIUM FILAMENT	Registered	3/17/2017	87375669	US
Foreign Trademark	ESS022_CN_TM_17		ESS022	ESS022	ESSENTIUM FILAMENT	Pending	3/17/2017	56296777	China
Foreign Trademark	ESS022_CN_TM_17		ESS022	ESS022	ESSENTIUM FILAMENT	Registered	5/24/2021	87375683	US
Foreign Trademark	ESS023_CN_TM_17		ESS023	ESS023	MAATERIALS GENIUS	Registered	3/17/2017	87375717	US
Foreign Trademark	ESS028_CN_TM_17		ESS028	ESS028	Fishface Filament	Pending	5/24/2021	56320130	China
Foreign Trademark	ESS028_CN_TM_17		ESS028	ESS028	Fishface Filament	Registered	4/11/2018	87872464	US
Foreign Trademark	ESS029_CN_TM_11		ESS029	ESS029	ESSENTIUM DRYBOX	Pending	5/24/2021	56296365	China
Foreign Trademark	ESS029_CN_TM_11		ESS029	ESS029	ESSENTIUM DRYBOX	Pending	3/18/2020	88819876	US
Foreign Trademark	ESS029_CN_TM_11		ESS029	ESS029	ESSENTIUM DRYBOX	Registered	12/6/2019	-42909322	China
Foreign Trademark	ESS036_CN_TM_7		ESS036	ESS036	HSE	Pending	12/6/2019	018163942	EP
Foreign Trademark	ESS036_CN_TM_7		ESS036	ESS036	HSE	Registered	12/6/2019	-40201926581Q	Singapore
Foreign Trademark	ESS036_CN_TM_7		ESS036	ESS036	HSE	Registered	12/6/2019		US
Foreign Trademark	ESS036_CN_TM_7		ESS036	ESS036	HSE	Pending	12/30/2020	109093252	Taiwan
Foreign Trademark	ESS037_CN_TM_7		ESS037	ESS037	HIGH SPEED EXTRUSION	Abandoned	11/9/2018	88198657	US
Foreign Trademark	ESS038_CN_TM_17		ESS038	ESS038	ESSENTIUM HIGH SPEED EXTRUSION	Abandoned	11/9/2018	88198671	US
Foreign Trademark	ESS039_CN_TM_17		ESS039	ESS039	ESSENTIUM HIGH SPEED EXTRUSION	Pending	11/9/2018	88198558	US
Foreign Trademark	ESS039_CN_TM_17		ESS039	ESS039	ESSENTIUM HIGH SPEED EXTRUSION	Abandoned	11/6/2019	-42148559	China
Foreign Trademark	ESS039_CN_TM_7		ESS039	ESS039	HSE 180 S	Registered	11/6/2019	-42186643	China
Foreign Trademark	ESS039_CN_TM_7		ESS039	ESS039	HSE 180 S	Registered	9/30/2019	018130550	EP
Foreign Trademark	ESS039_CN_TM_7		ESS039	ESS039	HSE 180 S	Registered	9/18/2019	-40201920218W	Singapore
Foreign Trademark	ESS039_CN_TM_7		ESS039	ESS039	HSE 180 (logo)	Pending	12/30/2020	109093253	Taiwan
Foreign Trademark	ESS039_CN_TM_7		ESS039	ESS039	HSE 180 S	Pending	11/13/2018		US
Foreign Trademark	ESS041_CN_TM_17		ESS041	ESS041	Arbox	Abandoned	11/13/2018	88198558	US
Foreign Trademark	ESS041_CN_TM_17		ESS041	ESS041	Arbox	Pending	6/1/2021	56563860	China
Foreign Trademark	ESS041_CN_TM_17		ESS041	ESS041	Arbox	Pending	6/1/2021	56563074	China
Foreign Trademark	ESS041_CN_TM_17		ESS041	ESS041	Arbox	Pending	2/1/2019	88285473	US
Foreign Trademark	ESS046_CN_TM_17		ESS046	ESS046	Arbox	Pending	6/1/2021	56565099	China
Foreign Trademark	ESS046_CN_TM_17		ESS046	ESS046	Arbox	Pending	6/1/2021	56563885	China
Foreign Trademark	ESS046_CN_TM_17		ESS046	ESS046	Arbox	Pending	2/1/2019	88285497	US
Foreign Trademark	ESS055_CN_TM_12		ESS055	ESS055	ESSENTIUM Filament Care System	Pending	6/1/2021	56565456	China
Foreign Trademark	ESS055_CN_TM_17		ESS055	ESS055	ESSENTIUM Filament Care System	Pending	6/1/2021	56563078	China

Foreign Trademark	ES5005_CN_TM_7	ES5005	ESSENTIUM Filament Care System	Pending	6/1/2021	565-6255	China
US Trademark	ES5005	ES5005	ESSENTIUM FILAMENT CARE SYSTEM	Allowed	2/1/2019	88285321	US
Foreign Trademark	ES5062_CN_TM_17	ES5062	Industrial Additive	Pending	6/1/2021	565-6558	China
Foreign Trademark	ES5062_CN_TM_40	ES5062	Industrial Additive	Pending	6/1/2021	565-6567	China
Foreign Trademark	ES5062_CN_TM_42	ES5062	Industrial Additive	Pending	6/1/2021	565-39216	China
Foreign Trademark	ES5062_CN_TM_7	ES5062	Industrial Additive	Pending	6/1/2021	565-63117	China
Foreign Trademark	ES5063_CN_TM_17	ES5063	Industrial Additive	Pending	11/8/2019	888-96853	US
Foreign Trademark	ES5063_CN_TM_40	ES5063	Industrial Additive	Pending	6/1/2021	565-70494	China
Foreign Trademark	ES5063_CN_TM_42	ES5063	Industrial Additive	Pending	6/1/2021	565-63389	China
Foreign Trademark	ES5063_CN_TM_7	ES5063	Industrial Additive	Pending	6/1/2021	565-64298	China
US Trademark	ES5063	ES5063	ESSENTIUM Industrial Additive	Pending	11/8/2019	888-96490	US
US Trademark	ES5064	ES5064	stylized logo for E Esentium Industrial Additive	Allowed	11/8/2019	888-94981	US
Foreign Trademark	ES5072_CN_TM	ES5072	E (stylized logo - black)	Registered	2/27/2020	442-0232	China
Foreign Trademark	ES5072_CN_TM_11	ES5072	E (stylized logo - black)	Registered	2/27/2020	442-0231	China
Foreign Trademark	ES5072_CN_TM_17	ES5072	E (stylized logo - black)	Registered	2/27/2020	441-8264	China
Foreign Trademark	ES5072_CN_TM_40	ES5072	E (stylized logo - black)	Registered	2/19/2020	1018198131	PRC
Foreign Trademark	ES5072_CN_TM_42	ES5072	E (stylized logo - black)	Registered	2/19/2020	4020200329V	Singapore
Foreign Trademark	ES5072_CN_TM_7	ES5072	E (stylized logo - black)	Pending	12/30/2020	109093254	Taiwan
US Trademark	ES5072	ES5072	E (stylized logo)	Pending	1/28/2020	887/6061	US
Foreign Trademark	ES5092_CN_TM_11	ES5092	E (stylized logo - color)	Registered	2/27/2020	442-0229	China
Foreign Trademark	ES5092_CN_TM_17	ES5092	E (stylized logo - color)	Pending	2/24/2020	441-91633	China
Foreign Trademark	ES5092_CN_TM_7	ES5092	E (stylized logo - color)	Registered	2/27/2020	442-0230	China
Foreign Trademark	ES5092_CN_TM_40	ES5092	E (stylized logo - color)	Registered	2/19/2020	1018198133	PRC
Foreign Trademark	ES5092_CN_TM_42	ES5092	E (stylized logo - color)	Registered	2/19/2020	40202003294X	Singapore
Foreign Trademark	ES5092_CN_TM_7	ES5092	E (stylized logo - color)	Pending	7/20/2021	2121887	Canada
Foreign Trademark	ES5095_CN_TM	ES5095	EssentiumVWX	Pending	7/20/2021	40202117431	Singapore
Foreign Trademark	ES5095_SG_TM	ES5095	EssentiumVWX	Pending	7/20/2021	90726842	US
US Trademark	ES5095	ES5095	EssentiumVWX	Pending	5/21/2021	90726842	US
US Trademark	ES5096	ES5096	EssentiumVWX	Pending	6/3/2021	90731738	US
US Trademark	ES5111	ES5111	ESSENTIUM HSE 1805	Pending	9/9/2020	90168613	US
Foreign Trademark	ES5114_CN_TM_7	ES5114	ESSENTIUM	Pending	11/4/2019	33918051	China
Foreign Trademark	ES5115_CN_TM_7	ES5115	ESSENTIUM	Registered	3/25/2020	448-7899	China
US Trademark	ES5117_US_TM	ES5117	ESSENTIUM HSE	Pending	9/9/2020	90168659	US
US Trademark	ES5128_US_TM	ES5128	BUILDING THE NEXT GENERATION OF ESSENTIAL MATERIALS	Abandoned	1/29/2014		US
Foreign Trademark	ES5144_CN_TM_11	ES5144	Essentium (Transliteration 1)	Pending	3/25/2021	546-61023	China
Foreign Trademark	ES5144_CN_TM_17	ES5144	Essentium (Transliteration 1)	Pending	3/25/2021	546-62910	China
Foreign Trademark	ES5144_CN_TM_40	ES5144	Essentium (Transliteration 1)	Pending	3/25/2021	546-65548	China
Foreign Trademark	ES5144_CN_TM_42	ES5144	Essentium (Transliteration 1)	Pending	3/25/2021	546-65548	China
Foreign Trademark	ES5145_CN_TM_11	ES5145	Essentium (Transliteration 2)	Pending	3/25/2021	546-35866	China
Foreign Trademark	ES5145_CN_TM_17	ES5145	Essentium (Transliteration 2)	Pending	3/25/2021	546-35905	China
Foreign Trademark	ES5145_CN_TM_40	ES5145	Essentium (Transliteration 2)	Pending	3/25/2021	546-61057	China
Foreign Trademark	ES5145_CN_TM_42	ES5145	Essentium (Transliteration 2)	Pending	3/25/2021	546-61057	China
US Trademark	ES5162_US_TM	ES5162	FLASHFUSE	Pending	4/8/2021	90632737	US
Foreign Trademark	ES5184_CN_TM	ES5184	EssentiumVWX	Pending	7/20/2021	2121830	Canada
Foreign Trademark	ES5184_CN_TM_40	ES5184	EssentiumVWX	Pending	7/20/2021	2121830	Canada
Foreign Trademark	ES5184_CN_TM_42	ES5184	EssentiumVWX	New	6/30/2021		China
Foreign Trademark	ES5184_SG_TM	ES5184	EssentiumVWX	New	6/30/2021		China
Foreign Trademark	ES5185_CN_TM	ES5185	EssentiumVWX	Pending	7/20/2021	2121832	Singapore
Foreign Trademark	ES5185_CN_TM_40	ES5185	EssentiumVWX	New	6/30/2021		China
Foreign Trademark	ES5185_CN_TM_42	ES5185	EssentiumVWX	New	6/30/2021		China
Foreign Trademark	ES5185_SG_TM	ES5185	EssentiumVWX (ogo two line)	Pending	7/20/2021	4020211743P	Singapore
US Trademark	ES5226_US_TM	ES5226	Phonetic Tooling	New	8/6/2021		US
US Trademark	TR104	TR104	TRIFUSION	Pending	3/23/2020	888-3965	US

PATENT