PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI829579

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Halio , Inc.	06/28/2024

RECEIVING PARTY DATA

Company Name:	Halio , LLC
Street Address:	3955 Trust Way
City:	Hayward
State/Country:	CALIFORNIA
Postal Code:	94545

PROPERTY NUMBERS Total: 21

Property Type	Number
Application Number:	17089612
Application Number:	17084447
Application Number:	17265625
Application Number:	18196952
Application Number:	18238999
Application Number:	18490437
Application Number:	18403691
Patent Number:	D906303
Patent Number:	D906304
Patent Number:	9406028
Patent Number:	10579024
Patent Number:	11740593
Patent Number:	10921675
Patent Number:	11056074
Patent Number:	11106104
Patent Number:	11467463
Patent Number:	11686988
Patent Number:	11169681
Patent Number:	11409180
Patent Number:	11831997

Property Type	Number
Patent Number:	11900617

CORRESPONDENCE DATA

Fax Number: 5713275452

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: 5713275450
Email: ipntlaw@ipntlaw.com
Correspondent Name: Keon Woo PARK
Address Line 1: 102 Maple Ave. E
Address Line 4: Vienna, VIRGINIA 22180

ATTORNEY DOCKET NUMBER:	FPA/2024067
NAME OF SUBMITTER:	Hyeokjae Choi
SIGNATURE:	/Hyeokjae Choi/
DATE SIGNED:	03/05/2025
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9
source=Halio Inc to Halio LLC-Patent#page1.tiff
source=Halio Inc to Halio LLC-Patent#page2.tiff
source=Halio Inc to Halio LLC-Patent#page3.tiff
source=Halio Inc to Halio LLC-Patent#page4.tiff
source=Halio Inc to Halio LLC-Patent#page5.tiff
source=Halio Inc to Halio LLC-Patent#page6.tiff
source=Halio Inc to Halio LLC-Patent#page7.tiff
source=Halio Inc to Halio LLC-Patent#page8.tiff
source=Halio Inc to Halio LLC-Patent#page9.tiff

PATENT ASSIGNMENT AGREEMENT

WHEREAS, by unanimous written consent of the the board of directors of Halio, Inc., a Delaware corporation ("***Halio***" or the "**Company**"), and with the consent of the shareholders of the Company, on June 28th 2024, Halio, in accordance with the assignment for benefit of creditors laws of the State of California, transferred ownership of all of its right, title and interest in and to all of its assets to Halio (assignment for the benefit of creditors), LLC, a California limited liability company (the "***Assignee***"), and in so doing has also designated Assignee to act as the assignee for the benefit of creditors of Halio (the "***General Assignment***");

WHEREAS, pursuant to the terms of the General Assignment Agreement between Halio and the Assignee, all of the Company's rights title and interest in its assets have been assigned to the Assignee, including the Company's patents and patent applications;

WHEREAS, Halio and Assignee desire to memorialize the transfer of the Company's patents and patent applications and related rights to Assignee.

NOW, THEREFORE, BE IT KNOWN, pursuant to the General Assignment Agreement, Halio has conveyed, assigned, transferred, delivered and set over for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and does hereby convey, assign, transfer, deliver and set over, unto said Assignee, its successors and assigns, (1) the entire worldwide right, title and interest in and to each and all Letters Patents in the United States and in all foreign countries including, without limitation corresponding Patent Cooperation Treaty patent applications and corresponding National patent applications and all inventions, improvements and discoveries disclosed in said Letters Patents and applications which were held by the Company immediately prior to the consummation of the General Assignment, including those set forth in **Schedule A** hereto, and in and to all substitutions, divisions, continuations, continuations-in-part, reexaminations, extensions, renewals and reissues (as applicable) thereof, including without limitation of generality, all rights of priority resulting from the filing of patent applications relating to any of the foregoing as well as any and all choses in action and any and all claims and demands, both at law and in equity, that Assignor has or june have for damages or profits accrued or to accrue on account of the infringement of any of said Letter Patents, patent applications, inventions, improvements and discoveries (or any provisional rights therein), the same to be held and enjoyed by Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Company if the assignment set forth in this Patent Assignment had not been made; (2) the full and complete right to file patent applications in the name of the Company or its designee, at the Assignee's, or its designe's election, on the aforesaid inventions, improvements, discoveries and applications in all countries of the world; and (3) the entire right, title and interest in and to any Letter Patent which june issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same.

AND the Company hereby authorizes and requests the United States Patent and Trademarks Office to issue said Letter Patents in accordance with this Agreement.

[Signature page follows]

IN WITNESS WHEREOF, Halio has caused this Patent Assignment to be signed by its duly authorized officer as of June 28th, 2024.

Halio, Inc.

By: _____
Name: Howard Bergh
Title: CEO

Halio (assignment for the benefit of creditors), LLC, in its sole and limited capacity as the assignee for the benefit of creditors of Halio, Inc.

By: _____
Name: Michael A. Maidy
Title: Manager

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of CALIFORNIA

County of ALAMEDA

On JUNE 28, 2024 before me R. GRADY, Notary Public, personally appeared

HOWARD BERGH

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal,

R. GRADY
COMM. NO. 2419667
NOTARY PUBLIC - CALIFORNIA
ALAMEDA COUNTY
MY COMM. EXPIRES OCT 7, 2026

R. Grady
Notary Public

Commission Number: 2419667
Commission Expiration: October 07, 2026

Document Name (optional): _____

CALIFORNIA ACKNOWLEDGMENT CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara }

On July 2 2024 before me, Carissa Kozacek,
Date *Here Insert Name and Title of the Officer*

personally appeared Michael Mendy,
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

CARISSA ANNE KOZACEK
Notary Public - California
Santa Clara County
Commission # 2462152
My Comm. Expires Sep 4, 2027

Place Notary Seal and/or Stamp Above

Signature _____
Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____	Signer's Name: _____
☐ Corporate Officer – Title(s): _____	☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General	☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
☐ Other: _____	☐ Other: _____
Signer is Representing: _____	Signer is Representing: _____

Schedule A

Halio, Inc. - Patent Portfolio Report

LS Ref.	Type	Status	Country ID	Title	App. No.	Filing Date	Pub. No.	Pub. Date	Patent No.	Issue Date
33252-0010 L0010-DP	DES	ISSUED	US	DRIVER DEVICE	29/681,883	2/28/2019			D906,303	12/29/2020
33252-0011 L0011-DP	DES	ISSUED	US	GATEWAY DEVICE	29/681,885	2/28/2019			D906,304	12/29/2020
33252-0015 L0015	UTL	ISSUED	US	EXPERT SYSTEM FOR PREDICTION OF CHANGES TO LOCAL ENVIRONMENT	13/798,050	3/12/2013	US 2014-0067733 A1	3/6/2014	9,406,028	8/2/2016
33252-0016 L0015C	UTL	ISSUED	US	EXPERT SYSTEM FOR PREDICTION OF CHANGES TO LOCAL ENVIRONMENT	15/225,047	8/1/2016	US 2016-0334123 A1	11/17/2016	10,579,024	3/3/2020
33252-0017 L0015C2	UTL	ISSUED	US	EXPERT SYSTEM FOR CONTROLLING LOCAL ENVIRONMENT BASED ON RADIANCE MAP OF SKY	16/804,370	2/28/2020	US 2020-0272111 A1	8/27/2020	11,740,593	8/29/2023
33252-0022 L0005TRK1	UTL	ISSUED	US	CLOUD-BASED SYSTEM FOR CONTROLLING ELECTROCHROMIC DEVICES	16/786,703	2/10/2020	US 2020-0257179 A1	8/13/2020	10,921,675	2/16/2021
33252-0023 L0006TRK1	UTL	ISSUED	US	CLOUD-BASED COMPONENT LINKING IN A SMART WINDOW SYSTEM	16/786,719	2/10/2020	US 2020-0258470 A1	8/13/2020	11,056,074	7/6/2021
33252-0024 L0003	UTL	ISSUED	US	DISTRIBUTED ENERGY MANAGEMENT SYSTEM	16/775,070	1/28/2020	US 2020-0241375 A1	7/30/2020	11,106,104	8/31/2021
33252-0025 L0004	UTL	ISSUED	US	OVERCHARGE-AWARE DRIVER FOR ELECTROCHROMIC DEVICES	16/775,083	1/28/2020	US 2020-0241379 A1	7/30/2020	11,467,463	10/11/2022
33252-0026 L0002	UTL	ISSUED	US	AUTOMATED CONTROL OF AN ELECTROCHROMIC DEVICE	16/821,293	3/17/2020	US 2020-0301234 A1	9/24/2020	11,686,988	6/27/2023
33252-0027 L0018	UTL	PENDING	US	PREDICTION AND CORRECTION OF HARDWARE FAILURES OF ELECTROCHROMIC DEVICES	17/089,612	11/4/2020				
33252-0028 L0007 TRK1	UTL	ISSUED	US	REMOTE MANAGEMENT OF ON-SITE SMART WINDOW ACTIVITIES AND SCHEDULER OF SMART WINDOW EVENTS	16/814,162	3/10/2020	US 2020-0293186 A1	9/17/2020	11,169,681	11/9/2021
33252-0036 L0019	UTL	PENDING	US	ADAPTIVE LEARNING BASED ON USER INPUT FOR ELECTROCHROMIC DEVICES	17/084,447	10/29/2020				
33252-0037 L0005C	UTL	ISSUED	US	CLOUD-BASED SYSTEM FOR CONTROLLING ELECTROCHROMIC DEVICES	17/175,480	2/12/2021	US 2021-0165297 A1	6/3/2021	11,409,180	8/9/2022

LS Ref.	Type	Status	Country ID	Title	App. No.	Filing Date	Pub. No.	Pub. Date	Patent No.	Issue Date
33252-0038 L0038US	UTL	PUBLISHED	US	SWITCHABLE GLASS WINDOW WITH AUTOMATIC CONTROL OF THE TRANSMISSION	17/265,625	2/3/2021	US 2021-0301587 A1	9/30/2021		
33252-0045 L0039	UTL	ISSUED	US	SKY SENSOR	17/650,655	2/10/2022			11,831,997	11/28/2023
33252-0046 L0041	UTL	ISSUED	US	CLOUD FORECASTING FOR ELECTROCHROMIC DEVICES	17/987,783	11/15/2022	US 2023-0154014 A1	5/18/2023	11,900,617	2/13/2024
33252-0047 L0041PCT	UTL	PUBLISHED	WO	CLOUD FORECASTING FOR ELECTROCHROMIC DEVICES	PCT/US22/50162	11/16/2022	WO 2023/091523	5/25/2023		
33252-0049 L0002D	UTL	ALLOWED	US	AUTOMATED CONTROL OF AN ELECTROCHROMIC DEVICE	18/196,952	5/12/2023	US 2023-0280628 A1	9/7/2023		
33252-0050 L0015C3	UTL	PUBLISHED	US	EXPERT SYSTEM FOR CONTROLLING LOCAL ENVIRONMENT BASED ON RADIANCE MAP OF SKY	18/238,999	8/28/2023	US 2024-0085865 A1	3/14/2024		
33252-0051 L0039D	UTL	PENDING	US	SKY SENSOR DEVICE	18/490,437	10/19/2023				
33252-0052 L0041C	UTL	PENDING	US	CLOUD FORECASTING FOR ELECTROCHROMIC DEVICES	18/403,691	1/3/2024				

Case Number	Cty	Sub	Type	App Status	Application Number	Filed	Patent Number	Issued	Patent Link
K85900 1040	DE		PCT	Granted	16737757.1	8/2/17	3245558	5/10/23	https://worldwide.espacenet.com/patent/search/family/056367493/publication/EP3245558A1?q=16737757.1
K85900 1040	GB		PCT	Granted	16737757.1	8/2/17	3245558	5/10/23	https://worldwide.espacenet.com/patent/search/family/056367493/publication/EP3245558A1?q=16737757.1
K85900 1040	JP		PCT	Granted	2017-555452	7/12/17	6720210	6/19/20	https://worldwide.espacenet.com/patent/search/family/056367493/publication/JP6720210B2?q=16737757.1
K85900 1040	US	1	ORD	Granted	14/994,091	1/12/16	9563097	2/7/17	https://patents.google.com/patent/US9563097B2/en?oq=9563097
K85900 1040	US	C1	CON	Granted	15/406,576	1/13/17	10831079	11/10/20	https://patents.google.com/patent/US10831079B2/en?oq=10831079
K85900 1040	US	C2	CON	Granted	17/093,000	11/9/20	11852946	12/26/23	https://patents.google.com/patent/US11852946B2/en?oq=11852946
K85900 1040	US	C3	CON	Pending	18/533,701	12/8/23	not published yet		
K85900 1050	US	1	ORD	Granted	14/994,094	1/12/16	9,658,508	5/23/17	https://patents.google.com/patent/US9658508B1/en?oq=9%2c658%2c508
K85900 1100	US	1	PRI	Granted	15/009,465	1/28/16	9823535	11/21/17	https://patents.google.com/patent/US9823535B2/en?oq=9823535
K85900 1100	US	C1	CON	Granted	15/818,566	11/20/17	10,558,103	2/11/20	https://patents.google.com/patent/US10558103B2/en?oq=10%2c558%2c103
K85900 1100	US	C2	CON	Granted	16/786,900	2/10/20	11697275	6/21/23	https://patents.google.com/patent/US11697275B2/en?oq=11697275
K85900 1100	US	C3	CON	Published	18/330,960	6/7/23			https://patents.google.com/patent/US20230311463A1/en?oq=18330960
K85900 1100.1	DE		PCT	Granted	16862989.7	5/22/18	602016051200.9	1/6/21	https://worldwide.espacenet.com/patent/search/family/058662800/publication/EP3365167A1?q=16862989.7
K85900 1100.1	JP		PCT	Granted	2018-522942	5/7/18	6542474	6/21/19	https://worldwide.espacenet.com/patent/search/family/058662800/publication/JP6542474B2?q=16862989.7
K85900 1120	CN		PCT	Granted	201480008071.4	8/7/15	ZL201480008071.4	6/1/18	https://worldwide.espacenet.com/patent/search/family/051207476/publication/CN105229526B?q=14740864.5
K85900 1120	DE		EPP	Granted	14740864.5	8/11/15	602014049827.2	7/10/19	https://worldwide.espacenet.com/patent/search/family/051207476/publication/EP2946248A1?q=14740864.5
K85900 1120	GB		EPP	Granted	14740864.5	8/11/15	2946248	7/10/19	https://worldwide.espacenet.com/patent/search/family/051207476/publication/EP2946248A1?q=14740864.5
K85900 1120	JP		PCT	Granted	2015-553896	7/15/15	6125047	4/14/17	https://worldwide.espacenet.com/patent/search/family/051207476/publication/JP6125047B2?q=14740864.5
K85900 1120	US	1	ORD	Granted	14/160,285	1/21/14	9,207,514	12/8/15	https://patents.google.com/patent/US9207514B2/en?oq=9%2c207%2c514
K85900 1120	US	2	ORD	Granted	14/160,365	1/21/14	9,377,663	6/28/16	https://patents.google.com/patent/US9377663B2/en?oq=9%2c377%2c663
K85900 1120	US	C1	CON	Granted	14/961,709	12/7/15	10,095,079	10/9/18	https://patents.google.com/patent/US10095079B2/en?oq=10%2c095%2c079
K85900 1120	US	C2	CON	Granted	16/153,284	10/5/18	10,739,657	8/11/20	https://patents.google.com/patent/US10739657B2/en?oq=10%2c739%2c657
K85900 1130	CH		EPP	Granted	14740288.7	8/11/15	2946246	4/3/19	https://worldwide.espacenet.com/patent/search/family/051207477/publication/EP2946246A1?q=14740288.7
K85900 1130	CN		PCT	Granted	201480008081.8	8/7/15	105324706	7/24/18	https://worldwide.espacenet.com/patent/search/family/051207477/publication/CN105324706A?q=14740288.7
K85900 1130	DE		EPP	Granted	14740288.7	8/11/15	602014044011.8	4/3/19	https://worldwide.espacenet.com/patent/search/family/051207477/publication/EP2946246A1?q=14740288.7
K85900 1130	ES		EPP	Granted	14740288.7	8/11/15	2946246	4/3/19	https://worldwide.espacenet.com/patent/search/family/051207477/publication/EP2946246A1?q=14740288.7
K85900 1130	GB		EPP	Granted	14740288.7	8/11/15	2946246	4/3/19	https://worldwide.espacenet.com/patent/search/family/051207477/publication/EP2946246A1?q=14740288.7
K85900 1130	JP		PCT	Granted	2015-553893	7/15/15	5946977	6/10/16	https://worldwide.espacenet.com/patent/search/family/051207477/publication/JP5946977B2?q=14740288.7
K85900 1130	LI		EPP	Granted	14740288.7	8/11/15	2946246	4/3/19	https://worldwide.espacenet.com/patent/search/family/051207477/publication/EP2946246A1?q=14740288.7
K85900 1130	US	1	ORD	Granted	14/160,304	1/21/14	9,256,111	2/9/16	https://patents.google.com/patent/US9256111B2/en?oq=9%2c256%2c111
K85900 1130	US	2	ORD	Granted	14/160,394	1/21/14	9,341,910	5/17/16	https://patents.google.com/patent/US9341910B2/en?oq=9%2c341%2c910
K85900 1130	US	C1	CON	Granted	14/992,628	1/11/16	9,753,348	9/5/17	https://patents.google.com/patent/US9753348B2/en?oq=9%2c753%2c348
K85900 1130	US	C2	CON	Granted	15/675,192	8/11/17	10,845,666	11/24/20	https://patents.google.com/patent/US10845666B2/en?oq=10%2c845%2c666
K85900 1140	US	1	ORD	Granted	14/160,309	1/21/14	9,395,593	7/19/16	https://patents.google.com/patent/US9395593B2/en?oq=9%2c395%2c593
K85900 1140	US	2	ORD	Granted	14/160,401	1/21/14	9,360,729	6/7/16	https://patents.google.com/patent/US9360729B2/en?oq=9%2c360%2c729
K85900 1150	US	1	ORD	Granted	14/806,543	7/22/15	10,670,936	6/2/20	https://patents.google.com/patent/US10670936B2/en?oq=10%2c670%2c936
K85900 1150	US	D1	DIV	Granted	16/889,505	6/1/20	11,384,435	7/12/22	https://patents.google.com/patent/US11384435B2/en?oq=11%2c384%2c435
K85900 1160	US	1	ORD	Granted	14/806,545	7/22/15	10,061,177	8/28/18	https://patents.google.com/patent/US10061177B2/en?oq=10%2c061%2c177
K85900 1160	US	C1	CON	Granted	16/113,317	8/27/18	10,761,394	9/1/20	https://patents.google.com/patent/US10761394B2/en?oq=10%2c761%2c394
K85900 1160	US	C2	CON	Granted	17/008,194	8/31/20	11,300,846	4/12/22	https://patents.google.com/patent/US11300846B2/en?oq=11%2c300%2c846
K85900 1200	US	1	PRI	Granted	13/961,508	8/7/13	9091895	7/28/15	https://patents.google.com/patent/US9091895B2/en?oq=9091895
K85900 1220	CN		PCT	Granted	201680011181.5	1/12/16	ZL201680011181.5	7/31/20	
K85900 1220	US	1	ORD	Granted	14/994,087	1/12/16	9,581,877	2/28/17	https://patents.google.com/patent/US9581877B2/en?oq=9%2c581%2c877
K85900 1220	US	C2	CON	Granted	16/017,901	6/25/18	10,698,286	6/30/20	https://patents.google.com/patent/US10698286B2/en?oq=10%2c698%2c286
K85900 1240	US	1	PRI	Granted	14/994,090	1/12/16	9720299	8/1/17	https://patents.google.com/patent/US9720299B1/en?oq=9720299
K85900 1240	US	D1	DIV	Granted	15/662,740	7/28/17	10,723,835	7/28/20	https://patents.google.com/patent/US10723835B2/en?oq=10%2c723%2c835
K85900 1240	US	D1C1	CON	Granted	16/940,169	7/27/20	11708449	7/5/23	https://patents.google.com/patent/US11708449B2/en?oq=11708449
K85900 1240	US	D1C2	CON	Published	18/333,790	6/13/23			https://patents.google.com/patent/US20230323014A1/en?oq=18333790
K85900 1260	US	1	ORD	Granted	14/212,841	3/14/14	9,481,598	11/1/16	https://patents.google.com/patent/US9481598B2/en?oq=9%2c481%2c598
K85900 1260	US	D1	DIV	Granted	15/267,096	9/15/16	10,241,376	3/26/19	https://patents.google.com/patent/US10241376B2/en?oq=10%2c241%2c376
K85900 1260	US	D2	DIV	Granted	16/363,903	3/25/19	11,054,712	7/6/21	https://patents.google.com/patent/US11054712B2/en?oq=11%2c054%2c712
K85900 1270	US	1	ORD	Granted	14/994,092	1/12/16	10,316,581	6/11/19	https://patents.google.com/patent/US10316581B1/en?oq=10%2c316%2c581
K85900 1270	US	C1	CON	Granted	16/435,825	6/10/19	10,941,613	3/9/21	https://patents.google.com/patent/US10941613B1/en?oq=10%2c941%2c613

Case Number	Cty	Sub	Type	App Status	Application Number	Filed	Patent Number	Issued	Patent Link
K85900 1280	US	1	ORD	Granted	14/994,093	1/12/16	9,677,327	6/13/17	https://patents.google.com/patent/US9677327B1/en?oq=9%2c677%2c327
K85900 1280	US	C1	CON	Granted	15/620,686	6/12/17	10,280,682	5/7/19	https://patents.google.com/patent/US10280682B1/en?oq=10%2c280%2c682
K85900 1280	US	C3	CON	Granted	16/820,380	3/16/20	11,066,872	7/20/21	https://patents.google.com/patent/US11066872B2/en?oq=11%2c066%2c872
K85900 1290	US	1	ORD	Granted	14/821,366	8/7/15	10,425,376	9/24/19	https://patents.google.com/patent/US10425376B2/en?oq=10%2c425%2c376
K85900 1300	US	1	ORD	Granted	14/821,371	8/7/15	9,470,947	10/18/16	https://patents.google.com/patent/US9470947B2/en?oq=9%2c470%2c947
K85900 1300	US	D1	DIV	Granted	15/265,760	9/14/16	10,678,109	6/9/20	https://patents.google.com/patent/US10678109B2/en?oq=10%2c678%2c109
K85900 1310	CN		PCT	Granted	201680055290.7	3/22/18	ZL201680055290.7	8/6/21	
K85900 1310	US	1	ORD	Granted	15/230,157	8/5/16	10,473,997	11/12/19	https://patents.google.com/patent/US10473997B2/en?oq=10%2c473%2c997
k85900 1320	US	1	ORD	Granted	15/230,056	8/5/16	10,663,832	5/26/20	https://patents.google.com/patent/US10663832B1/en?oq=10%2c663%2c832
K85900 1350	US	1	PRI	Granted	15/078,880	3/23/16	10,184,722	1/22/19	https://patents.google.com/patent/US10184722B1/en?oq=10%2c184%2c722
K85900 1380	US	1	ORD	Granted	15/691,297	8/30/17	10,539,860	1/21/20	https://patents.google.com/patent/US10539860B2/en?oq=10%2c539%2c860
K85900 1380	US	C1	CON	Granted	16/748,612	1/21/20	10,921,694	2/16/21	https://patents.google.com/patent/US10921694B2/en?oq=10%2c921%2c694
K85900 1390	US	1	ORD	Granted	15/492,739	4/20/17	11,086,184	8/10/21	https://patents.google.com/patent/US11086184B1/en?oq=11%2c086%2c184
K85900 1410	US	1	ORD	Granted	15/685,935	8/24/17	11,269,230	3/8/22	https://patents.google.com/patent/US11269230B2/en?oq=11%2c269%2c230
K85900 1420	US	1	ORD	Granted	15/691,293	8/30/17	11,099,449	8/24/21	https://patents.google.com/patent/US11099449B1/en?oq=11099449
K85900 1430	CN		PCT	Granted	201280008082.3	8/8/13	103370649	8/29/17	
K85900 1430	DE		PCT	Granted	12744192.1	7/19/13	2673674	10/17/18	https://worldwide.espacenet.com/patent/search/family/046600484/publication/EP2673674A2?q=12744192.1
K85900 1430	GB		EPP	Granted	12744192.1	7/19/13	2673674	10/17/18	https://worldwide.espacenet.com/patent/search/family/046600484/publication/EP2673674B1?q=12744192.1
K85900 1430	KR		PCT	Granted	10-2013-7021005	8/8/13	1613341	4/11/16	https://worldwide.espacenet.com/patent/search/family/046600484/publication/KR20140041433A?q=12744192.1
K85900 1430	TW		PCT	Granted	101125903	7/18/12	I528094	4/1/16	
K85900 1430	US	1	PRI	Granted	13/370268	2/9/12	8717658	5/6/14	https://patents.google.com/patent/US8717658B2/en?oq=8717658
K85900 1430	US	C1	CON	Granted	14/222,860	3/24/14	9,036,242	5/19/15	https://patents.google.com/patent/US9036242B2/en?oq=9%2c036%2c242
K85900 1430	US	C2	CON	Granted	14/685,759	4/14/15	9823536	11/21/17	https://patents.google.com/patent/US9823536B2/en?oq=9823536
K85900 1430	US	C2D1	DIV	Granted	15/818,564	11/20/17	10,437,128	10/8/19	https://patents.google.com/patent/US10437128B2/en?oq=10%2c437%2c128
K85900 1430	US	C3D1	CON	Granted	16/594,948	10/7/19	11579508	2/14/23	https://patents.google.com/patent/US11579508B2/en?oq=11579508
K85900 1430	US	C2D1C1D1	CON	Granted	18/168,533	2/13/23	11829044	11/28/23	https://patents.google.com/patent/US11829044B2/en?oq=11829044
K85900 1430	US	C2D1C1D1C1	CON	Published	18/499,756	11/1/23			https://patents.google.com/patent/US20240061302A1/en?oq=18499756
K85900 1440	US	C1	CON	Granted	14/750,480	6/25/15	9,606,410	3/28/17	https://patents.google.com/patent/US9606410B2/en?oq=9%2c606%2c410
K85900 1440	US	C3	CON	Granted	16/133,519	9/17/18	10,627,692	4/21/20	https://patents.google.com/patent/US10627692B2/en?oq=10%2c627%2c692
K85900 1440	US	C4	CON	Granted	16/853,106	4/20/20	11,520,205	12/6/22	https://patents.google.com/patent/US11520205B2/en?oq=11%2c520%2c205
K85900 1450	DE		EPP	Granted	13827579.7	2/4/15	602013081915.7	6/22/22	https://worldwide.espacenet.com/patent/search/family/050065999/publication/EP2883108A1?q=13827579.7
K85900 1450	GB		EPP	Granted	13827579.7	2/4/15	2883108	6/22/22	https://worldwide.espacenet.com/patent/search/family/050065999/publication/EP2883108A1?q=13827579.7
K85900 1450	US	1	PRI	Granted	13/961,508	8/7/13	9091895	7/28/15	https://patents.google.com/patent/US9091895B2/en?oq=9091895
K85900 1450	US	C1	CON	Granted	14/750,576	6/25/15	9,606,411	3/28/17	https://patents.google.com/patent/US9606411B2/en?oq=9%2c606%2c411
K85900 1450	US	C3	CON	Granted	16/011,412	6/18/18	10,871,695	12/22/20	https://patents.google.com/patent/US10871695B2/en?oq=10%2c871%2c695
K85900 1450	US	C4	CON	Granted	17/129,333	12/21/20	11860499	1/2/24	https://patents.google.com/patent/US11860499B2/en?oq=11860499
K85900 1460	US	1	ORD	Granted	13/961,718	8/7/13	9,507,233	11/29/16	https://patents.google.com/patent/US9507233B2/en?oq=9%2c507%2c233
K85900 1460	US	D1C1	CON	Granted	15/967,002	4/30/18	10,372,006	8/6/19	https://patents.google.com/patent/US10372006B2/en?oq=10%2c372%2c006
K85900 1460	US	D1C2	CON	Granted	16/532,073	8/5/19	10,838,280	11/17/20	https://patents.google.com/patent/US10838280B2/en?oq=10%2c838%2c280
K85900 1460	US	D1C3	CON	Granted	17/098,842	11/16/20	11874579	1/16/24	https://patents.google.com/patent/US11874579B2/en?oq=11874579
K85900 1470	US	1	ORD	Granted	15/820,867	11/22/17	11,194,213	12/7/21	https://patents.google.com/patent/US11194213B2/en?oq=11%2c194%2c213
K85900 1470	US	C1	CON	Allowed	17/543,553	12/6/21	Not yet Issued/publication attached		https://patents.google.com/patent/US20220091470A1/en?oq=17%2f543%2c553
K85900 1480	CN		PCT	Published	201780072493.1	5/23/19			
K85900 1480	KR		PCT	Granted	10-2019-7018057	6/21/19	10-2094185	3/23/20	
K85900 1480	US	1	ORD	Granted	15/820,881	11/22/17	10,210,368	2/19/19	https://patents.google.com/patent/US10210368B2/en?oq=10%2c210%2c368
K85900 1480	US	C1	CON	Granted	16/278,553	2/18/19	10,579,842	3/3/20	https://patents.google.com/patent/US10579842B2/en?oq=10%2c579%2c842
K85900 1480	US	C2	CON	Granted	16/806,859	3/2/20	10,997,383	5/4/21	https://patents.google.com/patent/US10997383B2/en?oq=10%2c997%2c383
K85900 1490	US	1	ORD	Granted	15/820,884	11/22/17	10,591,798	3/17/20	https://patents.google.com/patent/US10591798B1/en?oq=10%2c591%2c798
K85900 1490	US	C1	CON	Granted	16/820,385	3/16/20	11,537,022	12/27/22	https://patents.google.com/patent/US11537022B1/en?oq=11%2c537%2c022
K85900 1510	US	1	ORD	Granted	15/820,891	11/22/17	10,372,007	8/6/19	https://patents.google.com/patent/US10372007B1/en?oq=10%2c372%2c007
K85900 1510	US	C1	CON	Granted	16/504,102	7/5/19	10,768,503	9/8/20	https://patents.google.com/patent/US10768503B1/en?oq=10%2c768%2c503
K85900 1540	US	1	ORD	Granted	15/841,097	12/13/17	10,705,403	7/7/20	https://patents.google.com/patent/US10705403B1/en?oq=10%2c705%2c403
K85900 1550	US	1	ORD	Granted	15/588,522	5/5/17	10,386,688	8/20/19	https://patents.google.com/patent/US10386688B1/en?oq=10%2c386%2c688
K85900 1550	US	C1	CON	Granted	16/544,764	8/19/19	11675242	1/19/22	https://patents.google.com/patent/US11675242B1/en?oq=11675242

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K85900 1550	US	C2	CON	allowed	17/846,726	6/22/22	not yet issues or published		
K85900 1560	US	1	ORD	Granted	15/845,973	12/18/17	10,591,796	3/17/20	https://patents.google.com/patent/US10591796B1/en?oq=10%2c591%2c796
K85900 1560	US	D1	DIV	Granted	16/820,374	3/16/20	10,877,347	12/29/20	https://patents.google.com/patent/US10877347B1/en?oq=10%2c877%2c347
K85900 1580	US	1	ORD	Granted	15/970,652	5/3/18	11,340,510	5/24/22	https://patents.google.com/patent/US11340510B1/en?oq=11%2c340%2c510
K85900 1590	US	1	ORD	Granted	15/970,676	5/3/18	10,901,284	1/26/21	https://patents.google.com/patent/US10901284B2/en?oq=10%2c901%2c284
K85900 1590	US	C1	CON	Granted	17/157,076	1/25/21	11650471	4/26/23	https://patents.google.com/patent/US11650471B1/en?oq=11650471
K85900 1590	EP		PCT	allowed	18794383.2				https://worldwide.espacenet.com/patent/search/family/064016712/publication/EP3602192A1?q=18794383.2
K85900 1670	US	1	ORD	Granted	16/024,460	6/29/18	10,768,501	9/8/20	https://patents.google.com/patent/US10768501B2/en?oq=10%2c768%2c501
K85900 1680	US	1	ORD	Granted	16/410,551	5/13/19	11,187,955	11/30/21	https://patents.google.com/patent/US11187955B2/en?oq=11%2c187%2c955
K85900 1850	US	1	ORD	Granted	16/834,856	3/30/20	11732526	8/2/23	https://patents.google.com/patent/US11732526B2/en?oq=11732526
K85900 2000	US	P1	Provisional	Pending	63/585,889	9/27/23			