

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8245141

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SK INC. (FORMERLY KNOWN AS SK HOLDINGS CO., LTD.)	10/11/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALIO, INC. (FORMERLY KNOWN AS KINESTRAL TECHNOLOGIES, INC.)
<b>Street Address:</b>	3955 TRUST WAY
<b>City:</b>	HAYWARD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94545
<b>PROPERTY NUMBERS Total: 114</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15601972
Application Number:	16716314
Application Number:	16786900
Application Number:	14160394
Application Number:	14160309
Application Number:	14160401
Application Number:	16363903
Application Number:	16435825
Application Number:	62202514
Application Number:	14994093
Application Number:	16404394
Application Number:	16820380
Application Number:	16567614
Application Number:	16680316
Application Number:	16254507
Application Number:	16748612
Application Number:	16594948
Application Number:	16532073
Application Number:	16278553
Application Number:	16806859

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Property Type	Number
Application Number:	16820385
Application Number:	16504102
Application Number:	16544764
Application Number:	16820374
Application Number:	16410551
Application Number:	16834856
Application Number:	62854285
Application Number:	62819981
Application Number:	16821293
Application Number:	16775070
Application Number:	16775083
Application Number:	62805092
Application Number:	16786703
Application Number:	62805096
Application Number:	16786719
Application Number:	62816604
Application Number:	16814162
Application Number:	62903101
Application Number:	29681883
Application Number:	29681885
Application Number:	62890040
Application Number:	13798050
Application Number:	15225047
Application Number:	16804370
Application Number:	62930957
Application Number:	62929647
Application Number:	13370268
Application Number:	14222860
Application Number:	14685759
Application Number:	15818564
Application Number:	13961508
Application Number:	14750576
Application Number:	15462694
Application Number:	16011412
Application Number:	13961669
Application Number:	14750480
Application Number:	15460018
Application Number:	16133519

Property Type	Number
Application Number:	13961718
Application Number:	15362677
Application Number:	15967002
Application Number:	14994087
Application Number:	15424591
Application Number:	16017901
Application Number:	15492739
Application Number:	15588522
Application Number:	15841097
Application Number:	15970676
Application Number:	16024460
Application Number:	62670061
Application Number:	14160285
Application Number:	14160365
Application Number:	14961709
Application Number:	16153284
Application Number:	14160304
Application Number:	14992628
Application Number:	15675192
Application Number:	14994090
Application Number:	15662740
Application Number:	15009465
Application Number:	15818566
Application Number:	15691293
Application Number:	15845973
Application Number:	15970652
Application Number:	14160383
Application Number:	14212841
Application Number:	15267096
Application Number:	14806543
Application Number:	14806545
Application Number:	16113317
Application Number:	14857767
Application Number:	14994094
Application Number:	15078880
Application Number:	14994091
Application Number:	15406576
Application Number:	14821371

Property Type	Number
Application Number:	14821366
Application Number:	15620686
Application Number:	14994092
Application Number:	15230056
Application Number:	15230157
Application Number:	15691297
Application Number:	15685935
Application Number:	15265760
Application Number:	15820891
Application Number:	15820881
Application Number:	15820867
Application Number:	15820884
PCT Number:	US2020023381
PCT Number:	US2020015715
PCT Number:	US2020015729
PCT Number:	US2020017979
PCT Number:	US2020017986
PCT Number:	US2020022161

#### CORRESPONDENCE DATA

**Fax Number:** (202)842-7899

*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.*

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**Email:** jmfitzpatrick@cooley.com

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**Address Line 4:** WASHINGTON, D.C. 20004

<b>ATTORNEY DOCKET NUMBER:</b>	314143-124
<b>NAME OF SUBMITTER:</b>	JENNIFER FITZPATRICK
<b>SIGNATURE:</b>	/JENNIFER FITZPATRICK/
<b>DATE SIGNED:</b>	10/27/2023

#### Total Attachments: 25

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## RELEASE OF SECURITY INTEREST

This Release of Security Interest is made as of October 11, 2023, by SK INC. (formerly known as SK Holdings Co., Ltd.) a corporation domiciled in the Republic of Korea ("**Secured Party**") in favor of HALIO, INC., a Delaware corporation (formerly known as Kinestral Technologies, Inc.) ("**Grantor**") with its principal place of business located at 3955 Trust Way, Hayward, CA 94545.

### Recital

WHEREAS Grantor granted to Secured Party a security interest in the patents and trademarks described on Exhibits A - B, respectively, attached hereto (collectively, the "**Intellectual Property Collateral**") under that certain Intellectual Property Security Agreement dated as of January 31, 2019, by and between Grantor and Secured Party, as amended from time to time and submitted for recordation with the US Patent and Trademark Office with respect to patents on January 31, 2019 at Reel/Frame 048199/0113 and with respect to trademarks on January 31, 2019 at Reel/Frame 6546/0245 (the "**2019 IPSA**") and that certain Intellectual Property Security Agreement dated as of July 3, 2020, by and between Grantor and Secured Party, as amended from time to time and submitted for recordation with the US Patent and Trademark Office with respect to patents on July 10, 2020 at Reel/Frame 053180/0686 and with respect to trademarks on July 10, 2020 at Reel/Frame 6995/0862 (the "**2020 IPSA**"; together with the 2019 IPSA, individually and collectively, the "**Security Agreement**").


WHEREAS Grantor has no outstanding obligations to Secured Party under the terms of the Security Agreement, Secured Party agrees to release its security interest in the Intellectual Property Collateral.

### Agreement

Now therefore, Secured Party agrees that it terminates and releases its security interest in the Intellectual Property Collateral and reassigns to Grantor, without warranty or recourse, all interest of Secured Party in the Intellectual Property Collateral. Secured Party authorizes Grantor, or any other party on behalf of Grantor, to prepare and file this release with the US Patent and Trademark Office.

SECURED PARTY:

SK INC. (formerly known as SK Holdings Co., Ltd.)

By: 

Name: Dong Uk Choi

Title: Vice President

Address:

26, Jung-ro, Jongno  
Seoul, South Korea 03188

**EXHIBIT A**

**Patents**

**(See attached)**

## Patents

Title	Kinestral Ref. No.	Priority Date	App. No.	Status	Relevance
<b>DEVICE</b>					
Electrochromic Multi-Layer Devices With Spatially Coordinated Switching	KNSTR1000	2/9/2012	13/370,268	US Pat. No. 8,717,658 Granted in EP, CN, TW, KR	Foundational Broadly Covers Concept
Electrochromic Multi-Layer Devices With Spatially Coordinated Switching	KNSTR1001	2/9/2012	14/222,860	US Pat. No. 9,036,242 (Expires 2/9/2032)	Foundational Broadly Covers Concept
Electrochromic Multi-Layer Devices With Spatially Coordinated Switching	KNSTR1002	2/9/2012	14/685,759	US Pat. No. 9,823,536	Foundational Covers Product Implementation
Electrochromic Multi-Layer Devices With Spatially Coordinated Switching	KNSTR1003	2/9/2012	15/818,564	US 2018-0074380	Strategic
Electrochromic Multi-Layer Devices With Composite Electrically Conductive Layers	KNSTR1100	8/7/2013	13/961,508	US Pat. No. 9,091,895	Strategic
Electrochromic Multi-Layer Devices With Composite Electrically Conductive Layers	KNSTR1101	8/7/2013	14/750,576	US Pat. No. 9,606,411	Strategic
Electrochromic Multi-Layer Devices With Composite Electrically Conductive Layers	KNSTR1102	8/7/2013	15/462,694	US Pat. No. 10,001,689	Strategic
Electrochromic Multi-Layer Devices With Composite Electrically Conductive Layers	KNSTR1103	8/7/2013	16/011,412	Not yet assigned	Strategic
Electrochromic Multi-Layer Devices With Composite Current Modulating Structure	KNSTR1200	8/7/2013	13/961,669	US Pat. No. 9,091,868 Granted in Japan Pending in Europe	Strategic
Electrochromic Multi-Layer Devices With Composite Current Modulating Structure	KNSTR1201.CON	8/7/2013	14/750,480	US Pat. No. 9,606,410	Strategic
Electrochromic Multi-Layer Devices with Composite Current Modulating Structure	KNSTR1202.CON2	8/7/2013	15/460,018	US Pat. No. 10,078,252	Strategic



<b>Title</b>	<b>Kinestral Ref. No.</b>	<b>Priority Date</b>	<b>App. No.</b>	<b>Status</b>	<b>Relevance</b>
Electrochromic Multi-Layer Devices with Composite Current Modulating Structure	KNSTRL 1203.CON3	8/7/2013	16/133,519	Not yet assigned	Strategic
Electrochromic Multilayer Devices with Current Modulating Structures	KNSTRL 1300	8/7/2013	13/961,718	US Pat. No. 9,507,233	Strategic
Electrochromic Multilayer Devices with Current Modulating Structures	KNSTRL 1300.C1	8/7/2013	15/362,677	US Pat. No. 9,958,751	Strategic
Electrochromic Multilayer Devices with Current Modulating Structures	1300.C2	8/7/2013	15/967,002	US2018-0252977	Strategic
ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	14-7000	01/12/2015	14/994,087	US Pat. No. 9,581,877  Nat'l Phase: EP and CN	Foundational IP Covering Product Implementation Broad Coverage
ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	14-7000.C1	1/12/2015	15/424,591	US Pat. No. 10/007,163	Strategic
ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	14-7000.C2	1/12/2015	16/017,901	US 2018-0307113	Strategic
Electrochromic Devices Having Optimized Visual Characteristics	P0012	4/20/16	15/492,739	Non-publication Request	Strategic Covers Product Implementation
Electrochromic Devices with Patterned Electrically Conductive Layers	P0013	5/6/16	15/588,522	Non-publication Request	Strategic Covers Product Implementation
CHARGE SEQUESTRATION PROTOCOL FOR ELECTROCHROMIC DEVICES	P0017	12/13/16	15/841,097	Non-publication Request	Strategic Covers Product Implementation

<b>Title</b>	<b>Kinestral Ref. No.</b>	<b>Priority Date</b>	<b>App. No.</b>	<b>Status</b>	<b>Relevance</b>
Flexible and Multilayer Electrochromic Devices	P0024	05/03/17	15/970,676	US 2018-0364541 and PCT/US18/030986	Strategic Future Gen. Tech.
Tiled EC Devices on Carrier Glass and Method of Making the Same	P0026	06/29/17	16/024,460	US 2019-0004386 and PCT/US18/040458	Strategic Future Gen. Tech.
EC Devices with Patterned Electrically Conductive Layers Configured to Minimize Diffraction Effects	P0027	05/11/18	62/670,061	Provisional	Strategic Likely Implemented in Near Future Product
<b>MATERIALS</b>					
Electrochromic Lithium Nickel Group 4 Mixed Metal Oxides	KNSTRL 12-2004.1	1/21/2013	14/160,285	US 9,207,514 Granted in CN, JP and EP	Foundational Covers Product Implementation
Electrochromic Lithium Nickel Group 4 Mixed Metal Oxides	KNSTRL 12-2004.2	1/21/2013	14/160,365	US 9,377,663	Foundational Covers Product Implementation
Electrochromic Lithium Nickel Group 4 Mixed Metal Oxides	KNSTRL 12-2004.C1	1/21/2013	14/961,709	US 10,095,079	Strategic
Electrochromic Lithium Nickel Group 4 Mixed Metal Oxides	KNSTRL 12-2004.C2	1/21/2013	16/153,284	Not Yet Assigned	Strategic
Electrochromic Lithium Nickel Group 5 Mixed Metal Oxides	KNSTRL 12-2005.1	1/21/2013	14/160,304	US 9,256,111 Granted in JP, CN, and EP	Foundational Covers Product Implementation
Electrochromic Lithium Nickel Group 5 Mixed Metal Oxides	KNSTRL 12-2005.2	1/21/2013	14/160,394	US 9,341,910	Foundational Covers Product Implementation
Electrochromic Lithium Nickel Group 5 Mixed Metal Oxides	KNSTRL 12-2005.C1	1/21/2013	14/992,628	US 9,753,348	Strategic
Electrochromic Lithium Nickel Group 5 Mixed Metal Oxides	12-2005.C2	1/21/2013	15/675,192	US 2017-0363929	Strategic
Electrochromic Lithium Nickel Group 6 Mixed Metal Oxides	KNSTRL 12-2006.1	3/15/2013	14/160,309	US 9,395,593	Strategic
Electrochromic Lithium Nickel Group 6 Mixed Metal Oxides	KNSTRL 12-2006.2	3/15/2013	14/160,401	US 9,360,729	Strategic

<b>Title</b>	<b>Kinestral Ref. No.</b>	<b>Priority Date</b>	<b>App. No.</b>	<b>Status</b>	<b>Relevance</b>
ELECTROCHROMIC MULTI-LAYER DEVICES WITH CROSS-LINKED ION CONDUCTING POLYMER	14-7200	01/12/2015	14/994,090	US 9,720,299	Strategic Covers Product Implementation
ELECTROCHROMIC MULTI-LAYER DEVICES WITH CROSS-LINKED ION CONDUCTING POLYMER	14-7200.C1	1/12/2015	15/662,740	US 2017-0329196	Strategic Covers alternative product implementation
Tungsten Oxide Nanosturcture Thin Films for EC Devices	P0001	01/28/2015 and 11/3/2015	15/009,465	US 9,823,535  PCT/US16/60372	Strategic Future Generation Technology Broadly Covers Concept
Tungsten Oxide Nanosturcture Thin Films for EC Devices	P0001.C1	01/28/2015 and 11/3/2015	15/818,566	US 2018-0088430	Strategic Future Generation Technology Broadly Covers Concept
ELECTROCHROMIC DEVICES WITH NANOSTRUCTURE THIN FILM ANODES	P0014	8/30/16 And 5/3/17	15/691,293	Non-publication Request	Strategic Future Generation Technology Broadly Covers Concept
THIN FILM LITHIUM TUNGSTEN OXIDES FOR ELECTROCHROMIC APPLICATIONS AND METHODS OF MAKING THE SAME ("sol-gel cathode" case)	P0023	12/16/16	15/845,973	Non-publication Request	Strategic Covers Product Implementation
EC Devices Nanosturcture Thin Film Cathodes	P0025	05/03/17	15/970,652	Non-publication Request	Strategic Future Gen. Tech.
<b>PROCESS</b>					
Process For Preparing Lithium Nickel Oxides	KNSTRL 12-2000.2	1/21/2013	14/160,383	US 2014/0205748	Foundational Broad Coverage Covers Product Implementation

<b>Title</b>	<b>Kinestral Ref. No.</b>	<b>Priority Date</b>	<b>App. No.</b>	<b>Status</b>	<b>Relevance</b>
Laser Cutting Strengthened Glass	KNSTRL 2000	3/15/2013	14/212,841	US 9,481,598 Granted in Europe Pending in Japan	Strategic Future Generation Technology
Laser Cutting Strengthened Glass	KNSTRL 2000.C	3/15/2013	15/267,096	US 2017-0002601	Strategic Future Generation Product
WET-COATING OF THIN FILM LITHIUM NICKEL OXIDES FOR ELECTROCHROMIC APPLICATIONS	KNSTRL 14-3000	07/22/2014	14/806,543	US 2016/0026057	Foundational Covers Product Implementation
PROCESS FOR PREPARING MULTI-LAYER ELECTROCHROMIC STACKS	KNSTRL 14-4000	07/22/2014	14/806,545	US Pat. No. 10,061,177	Foundational Covers Product Implementation
PROCESS FOR PREPARING MULTI-LAYER ELECTROCHROMIC STACKS	KNSTRL 14-4001	07/22/2014	16/113,317	Not yet Assigned	Foundational Covers Product Implementation
Laser Cutting of Electrochromic Motherglass Substrates	P0009	09/17/2014	14/857,767	Non-Publication Request	Strategic Future Generation Technology
Manufacturing Methods for a Transparent Conductive Oxide on a Flexible Substrate	14-1400	01/12/2015	14/994,094	US 9,658,508	Strategic Future Generation Technology
Manufacturing Methods for a Transparent Conductive Oxide on a Flexible Substrate	14-1401.C	1/12/2015	15/601,972	Not yet Assigned	Strategic Future Generation Technology
MULTI-ZONE HEATING OVEN WITH A PLURALITY OF HEATING ZONES HAVING INDIVIDUALLY CONTROLLED TEMPERATURE HUMIDITY	P0010	3/23/2016	15/078,880	Non-Publication Request	Strategic Covers Tool Used to make product
<b>CONTROL SYSTEM AND PRODUCT</b>					
DRIVER FOR ELECTROCHROMIC GLASS UNIT	14-8000	01/12/2015	14/994,091	US 9,563,097 Nat'l Phase: EP, JP, CN	Foundational Broadly Covers Concept Covers Product Implementation

<b>Title</b>	<b>Kinestral Ref. No.</b>	<b>Priority Date</b>	<b>App. No.</b>	<b>Status</b>	<b>Relevance</b>
DRIVER FOR ELECTROCHROMIC GLASS UNIT	14-8000.C1	01/12/2015	15/406,576	US 2017-0192335	Foundational
DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	P0003	1/12/2015	14/821,371	US 9,470,947 Nat'l Phase: EP, JP, CN	Foundational Broadly Covers Concept Covers Product Implementation
INSTALL MODE AND CLOUD LEARNING FOR SMART WINDOWS	P0004	1/12/2015	14/821,366	US 2016-0203403 Nat'l Phase: EP, CN	Foundational Covers Product Implementation
Security Focused System for Smart Windows	P0005	1/12/2015	14/994,093	US 9,677,327	Strategic Future Generation Technology Broadly Covers Concept
Security Focused System for Smart Windows	P0005.C1	1/12/2015	15/620,686	Not Yet Assigned	Strategic Future Generation Technology Broadly Covers Concept
Intelligent Light Control For Smart Windows Using Voice Control	P0006	1/12/2015	14/994,092	Non-Publication Request	Strategic Covers Product Implementation Broad Coverage
Indicator of Change in EC Window State	P0008	08/07/2015	15/230,056	Non-Publication Request	Strategic
EC Device Assemblies (Panel configurations for IGU or LGU)	P0007	08/07/2015	15/230,157	US 2018-0011383 Nat'l Phase: EP, JP, CN	Foundational Covers Product Implementations Broad Coverage
DYNAMIC USER CONTROL SYSTEM FOR SMART DEVICES SUCH AS SMART WINDOWS	P0015	8/30/16	15/691,297	US 2018-0059520	Foundational Covers Product Implementations
Local Boost Power Supply for Electrochromic Devices	P0016	8/30/16	15/685,935	US 2018-0059498 and PCT/US2017/048484	Foundational Covers Product Implementations
DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	P0003.C	1/12/15	15/265,760	US 2017-0003567	Foundational Strategic

<b>Title</b>	<b>Kinestral Ref. No.</b>	<b>Priority Date</b>	<b>App. No.</b>	<b>Status</b>	<b>Relevance</b>
DRIVER IMPROVEMENTS: TWO RAIL DESIGN SOLUTION AND SAFETY CIRCUIT FOR ELECTROCHROMIC WINDOWS	P0019	11/23/16	15/820,891	Non-Publication Request	Strategic Covers Product Implementations
Smart Driver	P0020	11/23/16	15/820,881	US 2018-0144162 PCT/US17/63092	Strategic Covers Product Implementations
ELECTROCHROMIC PANEL TRANSMISSION LEVEL SYNCHRONIZATION	P0021	11/23/16	15/820,867	US 2018-0143501 PCT/US17/63087	Strategic Covers Product Implementations
Smart Window System Dynamic Tenancy - Easy Reconfiguration	P0022	11/23/16	15/820,884	Non-Publication Request	Strategic

Cty	App Title	App Number	File Date	Pat No.	Iss Date
CN	DRIVER FOR ELECTROCHROMIC GLASS UNIT	201680011036.7	1/12/2016		
EP	DRIVER FOR ELECTROCHROMIC GLASS UNIT	16737757.1	8/2/2017		
JP	DRIVER FOR ELECTROCHROMIC GLASS UNIT	2017-555452	7/12/2017		
US	DRIVER FOR ELECTROCHROMIC GLASS UNIT	15/406,576	1/13/2017		
US	KINEP004 - DRIVER FOR ELECTROCHROMIC GLASS UNIT	14/994,091	1/12/2016	9,563,097	2/7/2017
US	KINEP005+ - MANUFACTURING METHODS FOR A TRANSPARENT CONDUCTIVE OXIDE ON A FLEXIBLE SUBSTRATE	14/994,094	1/12/2016	9,658,508	5/23/2017
US	MANUFACTURING METHODS FOR A TRANSPARENT CONDUCTIVE OXIDE ON A FLEXIBLE SUBSTRATE	15/601,972	5/22/2017	10,509,292	12/17/2019
US	MANUFACTURING METHODS FOR A TRANSPARENT CONDUCTIVE OXIDE ON A FLEXIBLE SUBSTRATE	16/716,314	12/16/2019		
US	TUNGSTEN OXIDE NANOSTRUCTURE THIN FILMS FOR ELECTROCHROMIC DEVICES	15/818,566	11/20/2017	10,558,103	2/11/2020
US	TUNGSTEN OXIDE NANOSTRUCTURE THIN FILMS FOR ELECTROCHROMIC DEVICES	16/786,900	2/10/2020		
US	TUNGSTEN OXIDE NANOSTRUCTURE THIN FILMS FOR ELECTROCHROMIC DEVICES	15/009,465	1/28/2016	9,823,535	11/21/2017
JP	TUNGSTEN OXIDE NANOSTRUCTURE THIN FILMS FOR ELECTROCHROMIC DEVICES	2018-522942	5/7/2018	6542474	6/21/2019

EP	TUNGSTEN OXIDE NANOSTRUCTURE THIN FILMS FOR ELECTROCHROMIC DEVICES	16862989.7	5/22/2018		
TW	KNSTRL 12-2000.TW PROCESS FOR PREPARING A MULTI- LAYER ELECTROCHROMIC STRUCTURE	103102163	1/21/2014		
JP	PROCESS FOR PREPARING A MULTI- LAYER ELECTROCHROMIC STRUCTURE	2016-502868	3/14/2016		
US	KNSTRL 12-2000.US.AIA PROCESS FOR PREPARING A MUTLI- LAYER ELECTROCHROMIC STRUCTURE	14/160,383	1/21/2014		
US	ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14/160,285	1/21/2014	9,207,514	12/8/2015
US	KNSTRL 12-2004.US.AIA ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14/160,365	1/21/2014	9,377,663	6/28/2016
US	ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14/961,709	12/7/2015	10,095,079	10/9/2018
US	ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	16/153,284	10/5/2018		
EP	KNSTRL 12-2004.WO ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14740864.5	8/11/2015	2946248	7/10/2019
FR	KNSTRL 12-2004.FR ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14740864.5	8/11/2015	2946248	7/10/2019
JP	KNSTRL 12-2004.WO ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	2015-553896	7/15/2015	6125047	
GB	KNSTRL 12-2004.GB ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14740864.5	8/11/2015	2946248	7/10/2019



NL	KNSTRL 12-2004.WO ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14740864.5	8/11/2015	2946248	7/10/2019
CN	KNSTRL 12-2004.WO ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	201480008071.4	8/7/2015	ZL20148000807 1.4	6/1/2018
DE	KNSTRL 12-2004.DE ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14740864.5	8/11/2015	602014049827.2	7/10/2019
BE	KNSTRL 12-2004.BE ELECTROCHROMIC LITHIUM NICKEL GROUP 4 MIXED METAL OXIDES	14740864.5	8/11/2015	2946248	7/10/2019
AT	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
BE	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
CH	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
CN	KNSTRL 12-2005.CN ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	201480008081.8	8/7/2015	105324706	7/24/2018
DE	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
DK	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
EP	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
PT	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
SE	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019

LI	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
LU	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
NL	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
GB	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
IE	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
IT	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
JP	KNSTRL 12-2005.JP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	2015-553893	7/15/2015	5946977	6/10/2016
ES	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
FR	KNSTRL 12-2005.EP ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14740288.7	8/11/2015	2946246	4/3/2019
US	KNSTRL 12-2005.US.1952 ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14/992,628	1/11/2016	9,753,348	9/5/2017
US	ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	15/675,192	8/11/2017		
US	KNSTRL 12-2005.US.1952 ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14/160,304	1/21/2014	9,256,111	2/9/2016
US	KNSTRL 12-2005.US.AIA ELECTROCHROMIC LITHIUM NICKEL GROUP 5 MIXED METAL OXIDES	14/160,394	1/21/2014	9,341,910	5/17/2016

US	KNSTRL 12-2006.US.1952 ELECTROCHROMIC LITHIUM NICKEL GROUP 6 MIXED METAL OXIDES	14/160,309	1/21/2014	9,395,593	7/19/2016
US	KNSTRL 12-2006.US.A1A ELECTROCHROMIC LITHIUM NICKEL GROUP 6 MIXED METAL OXIDES	14/160,401	1/21/2014	9,360,729	6/7/2016
US	WET-COATING OF THIN FILM LITHIUM NICKEL OXIDES FOR ELECTROCHROMIC APPLICATIONS	14/806,543	7/22/2015		
US	PROCESS FOR PREPARING MULTI- LAYER ELECTROCHROMIC STACKS	16/113,317	8/27/2018		
US	PROCESS FOR PREPARING MULTI- LAYER ELECTROCHROMIC STACKS	14/806,545	7/22/2015	10,061,177	8/28/2018
US	METHODS OF CUTTING AND EDGE TREATMENTS FOR ELECTROCHROMIC MOTHERGLASS LAMINATES	14/857,767	9/17/2015		
US	KNSTRL 14-7000.PR ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	14/994,087	1/12/2016	9,581,877	2/28/2017
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	15/424,591	2/3/2017	10,007,163	6/26/2018
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	16/017,901	6/25/2018		
EP	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	16737756.3	8/2/2017		

CN	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CHARGE SEQUESTRATION AND RELATED METHODS	201680011181.5	1/12/2016		
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CROSS-LINKED ION CONDUCTING POLYMER	15/662,740	7/28/2017		
US	KNSTRL 14-8000 ELECTROCHROMIC MULTI-LAYER DEVICES WITH CROSS-LINKED ION CONDUCTING POLYMER	14/994,090	1/12/2016	9,720,299	8/1/2017
US	KNSTRL 2000.US LASER CUTTING STRENGTHENED GLASS	14/212,841	3/14/2014	9,481,598	11/1/2016
US	LASER CUTTING STRENGTHENED GLASS	16/363,903	3/25/2019		
US	1260US.D1 - LASER CUTTING STRENGTHENED GLASS	15/267,096	9/15/2016	10,241,376	3/26/2019
BE	KNSTRL 2000.WO LASER CUTTING STRENGTHENED GLASS	14765507	9/21/2015	2969375	9/12/2018
DE	KNSTRL 2000.WO LASER CUTTING STRENGTHENED GLASS	14765507	9/21/2015	602014032294.8	9/12/2018
EP	KNSTRL 2000.WO LASER CUTTING STRENGTHENED GLASS	14765507	9/21/2015	2969375	9/12/2018
EP	KNSTRL 2000.WO LASER CUTTING STRENGTHENED GLASS	18188091.5	8/10/2018		
FR	KNSTRL 2000.WO LASER CUTTING STRENGTHENED GLASS	14765507	9/21/2015	2969375	9/12/2018
US	BUILDING MODEL GENERATION AND INTELLIGENT LIGHT CONTROL FOR SMART WINDOWS	14/994,092	1/12/2016	10,316,581	6/11/2019
US	BUILDING MODEL GENERATION AND INTELLIGENT LIGHT CONTROL FOR SMART WINDOWS	16/435,825	6/10/2019		

US	BUILDING MODEL GENERATION AND INTELLIGENT LIGHT CONTROL FOR SMART WINDOWS	62/202,514	8/7/2015		
US	SECURITY FOCUSED SYSTEM FOR SMART WINDOWS	14/994,093	1/12/2016	9,677,327	6/13/2017
US	SECURITY FOCUSED SYSTEM FOR SMART WINDOWS	15/620,686	6/12/2017	10,280,682	5/7/2019
US	SECURITY FOCUSED SYSTEM FOR SMART WINDOWS	16/404,394	5/6/2019	10/590,698	3/17/2020
US	SECURITY FOCUSED SYSTEM FOR SMART WINDOWS	16/820,380	3/16/2020		
US	INSTALL MODE AND CLOUD LEARNING FOR SMART WINDOWS	16/567,614	9/11/2019		
US	INSTALL MODE AND CLOUD LEARNING FOR SMART WINDOWS	14/821,366	8/7/2015	10,425,376	9/24/2019
EP	INSTALL MODE AND CLOUD LEARNING FOR SMART WINDOWS	16737755.5	8/2/2017		
CN	INSTALL MODE AND CLOUD LEARNING FOR SMART WINDOWS	201680011043.7	8/18/2017		
CN	DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	201680011014.0	8/18/2017		
EP	DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	16737754.8	8/2/2017		
JP	DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	2017-555451	7/12/2017	6625663	12/6/2019

US	DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	14/821,371	8/7/2015	9,470,947	10/18/2016
US	K85900 1300US.D1 DISTRIBUTED DEVICE NETWORK-BASED CONTROL SYSTEM WITH DECOUPLED INTELLIGENCE FOR SMART WINDOWS	15/265,760	9/14/2016		
US	ELECTROCHROMIC DEVICE ASSEMBLIES	16/680,316	11/11/2019		
US	ELECTROCHROMIC DEVICE ASSEMBLIES	15/230,157	8/5/2016	10,473,997	11/12/2019
JP	ELECTROCHROMIC DEVICE ASSEMBLIES	2018-506413	2/7/2018		
EP	ELECTROCHROMIC DEVICE ASSEMBLIES	16835712.7	2/7/2018		
CN	ELECTROCHROMIC DEVICE ASSEMBLIES	201680055290.7	3/22/2018		
US	INDICATOR FOR WINDOWS	15/230,056	8/5/2016		
US	MULTI-ZONE HEATING OVEN WITH A PLURALITY OF HEATING ZONES HAVING INDIVIDUALLY CONTROLLED TEMPERATURE HUMIDITY	15/078,880	3/23/2016	10,184,722	1/22/2019
US	MULTI-ZONE HEATING OVEN WITH A PLURALITY OF HEATING ZONES HAVING INDIVIDUALLY CONTROLLED TEMPERATURE HUMIDITY	16/254,507	1/22/2019		
US	DYNAMIC USER CONTROL SYSTEM	16/748,612	1/21/2020		
US	DYNAMIC USER CONTROL SYSTEM	15/691,297	8/30/2017	10,539,860	1/21/2020
US	1390US.1 - ELECTROCHROMIC DEVICES HAVING OPTIMIZED VISUAL CHARACTERISTICS	15/492,739	4/20/2017		

US	1410US.1 - BOOST CIRCUIT FOR ELECTROCHROMIC DEVICES	15/685,935	8/24/2017		
CN	BOOST CIRCUIT FOR ELECTROCHROMIC DEVICES	201780065660.X	4/23/2019		
JP	BOOST CIRCUIT FOR ELECTROCHROMIC DEVICES	2019-511455	2/25/2019		
EP	BOOST CIRCUIT FOR ELECTROCHROMIC DEVICES	17844443.6	2/25/2019		
KR	BOOST CIRCUIT FOR ELECTROCHROMIC DEVICES	10-2019-7008459	3/22/2019		
US	EC DEVICES WITH NANOSTRUCTURED THIN FILM ANODES	15/691,293	8/30/2017		
US	1430US.1 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH SPATIALLY COORDINATED SWITCHING	13/370,268	2/9/2012	8,717,658	5/6/2014
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH SPATIALLY COORDINATED SWITCHING	15/818,564	11/20/2017	10,437,128	10/8/2019
KR	1430KR - ELECTROCHROMIC MULTI-LAYER DEVICE	10-2013-7021005	8/8/2013	1613341	
TW	1430TW - ELECTROCHROMIC MULTI-LAYER DEVICE	101125903	7/18/2012	1528094	4/1/2016
US	1430US.C1 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH SPATIALLY COORDINATED SWITCHING	14/222,860	3/24/2014	9,036,242	5/19/2015
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH SPATIALLY COORDINATED SWITCHING	14/685,759	4/14/2015	9,823,536	11/21/2017
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH SPATIALLY COORDINATED SWITCHING	16/594,948	10/7/2019		

FR	ELECTROCHROMIC MULTI-LAYER DEVICE	12744192.1	7/19/2013	2673674	10/17/2018
GB	ELECTROCHROMIC MULTI-LAYER DEVICE	12744192.1	7/19/2013	2673674	10/17/2018
CN	1430CN - ELECTROCHROMIC MULTI-LAYER DEVICE	201280008082.3	8/8/2013	103370649	8/29/2017
DE	ELECTROCHROMIC MULTI-LAYER DEVICE	12744192.1	7/19/2013	602012052322.0	10/17/2018
BE	ELECTROCHROMIC MULTI-LAYER DEVICE	12744192.1	7/19/2013	2673674	10/17/2018
EP	ELECTROCHROMIC MULTI-LAYER DEVICE	18200532.2	10/15/2018		
EP	1430EP - ELECTROCHROMIC MULTI-LAYER DEVICE	12744192.1	7/19/2013	2673674	10/17/2018
US	1440US.C1 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH COMPOSITE CURRENT MODULATING STRUCTURE	14/750,480	6/25/2015	9,606,410	3/28/2017
US	1440US.C2 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH COMPOSITE CURRENT MODULATING STRUCTURE	15/460,018	3/15/2017	10,078,252	9/18/2018
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH COMPOSITE CURRENT MODULATING STRUCTURE	16/133,519	9/17/2018	10,627,692	4/21/2020
US	1450US.C2 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH COMPOSITE ELECTRICALLY CONDUCTIVE LAYERS	15/462,694	3/17/2017	10,001,689	6/19/2018
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH COMPOSITE ELECTRICALLY CONDUCTIVE LAYERS	16/011,412	6/18/2018		
US	1450US.C1 - ELECTROCHROMIC MULTI-LAYER DEVICE WITH COMPOSITE ELECTRICALLY CONDUCTIVE LAYERS	14/750,576	6/25/2015	9,606,411	3/28/2017



EP	1450EP - ELECTROCHROMIC MULTI-LAYER DEVICE WITH PATTERNED CONDUCTIVE LAYER	13827579.7	2/4/2015		
JP	1450JP - ELECTROCHROMIC MULTI-LAYER DEVICE WITH PATTERNED CONDUCTIVE LAYER	2015-526673	2/6/2015	5887024	
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CURRENT MODULATING STRUCTURE	15/967,002	4/30/2018	10,372,006	8/6/2019
US	ELECTROCHROMIC MULTI-LAYER DEVICES WITH CURRENT MODULATING STRUCTURE	16/532,073	8/5/2019		
US	1460US.D1 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH CURRENT MODULATING STRUCTURE	15/362,677	11/28/2016	9,958,751	5/1/2018
US	1460US.1 - ELECTROCHROMIC MULTI-LAYER DEVICES WITH CURRENT MODULATING STRUCTURE	13/961,718	8/7/2013	9,507,233	11/29/2016
US	ELECTROCHROMIC PANEL TRANSMISSION LEVEL SYNCHRONIZATION	15/820,867	11/22/2017		
US	SMART DRIVER	15/820,881	11/22/2017	10,210,368	2/19/2019
JP	SMART DRIVER	2019-527841	5/23/2019		
KR	SMART DRIVER	10-2019-7018057	6/21/2019		
US	SMART DRIVER	16/278,553	2/18/2019	10,579,842	3/3/2020
US	SMART DRIVER	16/806,859	3/2/2020		
EP	SMART DRIVER	17873804.3	5/28/2019		
CN	SMART DRIVER	201780072493.1	5/23/2019		
US	DYNAMIC TENANCY	15/820,884	11/22/2017	10,591,798	3/17/2020
US	DYNAMIC TENANCY	16/820,385	3/16/2020		
US	TWO RAIL DESIGN AND SAFETY CIRCUIT FOR ELECTROCHROMIC WINDOWS	16/504,102	7/5/2019		

US	ELECTROCHROMIC DEVICE DRIVER WITH A FAILSAFE MODULE AND METHOD OF USE	15/820,891	11/22/2017	10,372,007	8/6/2019
US	CHARGE SEQUESTRATION METHODS FOR ELECTROCHROMIC DEVICES	15/841,097	12/13/2017		
US	1550US1 - ELECTROCHROMIC DEVICES WITH PATTERNED ELECTRICALLY CONDUCTIVE LAYERS	15/588,522	5/5/2017	10,386,688	8/20/2019
US	ELECTROCHROMIC DEVICES WITH PATTERNED ELECTRICALLY CONDUCTIVE LAYERS	16/544,764	8/19/2019		
US	THIN FILM LITHIUM TUNGSTEN OXIDES FOR ELECTROCHROMIC APPLICATIONS AND METHODS OF MAKING THE SAME	15/845,973	12/18/2017	10,591,796	3/17/2020
US	THIN FILM LITHIUM TUNGSTEN OXIDES FOR ELECTROCHROMIC APPLICATIONS AND METHODS OF MAKING THE SAME	16/820,374	3/16/2020		
US	ELECTROCHROMIC DEVICES WITH NANOSTRUCTURE THIN FILM CATHODES	15/970,652	5/3/2018		
US	FLEXIBLE AND MULTILAYER ELECTROCHROMIC DEVICES AND METHODS OF MAKING THE SAME	15/970,676	5/3/2018		
CN	FLEXIBLE AND MULTILAYER ELECTROCHROMIC DEVICES AND METHODS OF MAKING THE SAME	201880044709.8	1/2/2020		
EP	FLEXIBLE AND MULTILAYER ELECTROCHROMIC DEVICES AND METHODS OF MAKING THE SAME	18794383.2	10/30/2019		

EP	TILED ELECTROCHROMIC DEVICES ON CARRIER GLASS AND METHODS OF MAKING THE SAME	18824088.1	12/17/2019		
JP	TILED ELECTROCHROMIC DEVICES ON CARRIER GLASS AND METHODS OF MAKING THE SAME	2019-572478	12/27/2019		
US	TILED ELECTROCHROMIC DEVICES ON CARRIER GLASS AND METHODS OF MAKING THE SAME	16/024,460	6/29/2018		
US	ELECTROCHROMIC DEVICES WITH PATTERNED ELECTRICALLY CONDUCTIVE LAYERS CONFIGURED TO MINIMIZE DIFFRACTION EFFECTS	16/410,551	5/13/2019		
US	SHEAR STRESS REDUCTION IN ELECTROCHROMIC DEVICE ASSEMBLIES	16/834,856	3/30/2020		
US	REDUCTION OF VISIBILITY OF GRADIENT GRID LINES WITH DRIVE METHOD MODIFICATION	62/854,285	5/29/2019		
US	OBSTRUCTION MAP FOR CONTROLLING AN ELECTROCHROMIC DEVICE	62/819,981	3/18/2019		
US	AUTOMATED CONTROL OF AN ELECTROCHROMIC DEVICE	16/821,293	3/17/2020		
WO	OBSTRUCTION MAP FOR CONTROLLING AN ELECTROCHROMIC DEVICE	PCT/US2020/023381	3/18/2020		
WO	DISTRIBUTED ENERGY MANAGEMENT SYSTEM	PCT/US2020/015715	1/29/2020		
US	DISTRIBUTED ENERGY MANAGEMENT SYSTEM	16/775,070	1/28/2020		

WO	OVERCHARGE-AWARE DRIVER FOR ELECTROCHROMIC DEVICES	PCT/US2020/015729	1/29/2020		
US	OVERCHARGE-AWARE DRIVER FOR ELECTROCHROMIC DEVICES	16/775,083	1/29/2020		
US	CLOUD-BASED SYSTEM FOR CONTROLLING ELECTROCHROMIC DEVICES	62/805,092	2/13/2019		
US	CLOUD-BASED SYSTEM FOR CONTROLLING ELECTROCHROMIC DEVICES	16/786,703	2/10/2020		
WO	CLOUD-BASED SYSTEM FOR CONTROLLING ELECTROCHROMIC DEVICES	PCT/US2020/017979	2/12/2020		
US	CLOUD-BASED COMPONENT LINKING IN A SMART WINDOW SYSTEM	62/805,096	2/13/2019		
US	CLOUD-BASED COMPONENT LINKING IN A SMART WINDOW SYSTEM	16/786,719	2/10/2020		
WO	CLOUD-BASED COMPONENT LINKING IN A SMART WINDOW SYSTEM	PCT/US2020/017986	2/12/2020		
US	REMOTE MANAGEMENT OF ON-SITE SMART WINDOW ACTIVITIES AND SCHEDULER OF SMART WINDOW EVENTS	62/816,604	3/11/2019		
US	REMOTE MANAGEMENT OF ON-SITE SMART WINDOW ACTIVITIES AND SCHEDULER OF SMART WINDOW EVENTS	16/814,162	3/10/2020		

WO	REMOTE MANAGEMENT OF ON-SITE SMART WINDOW ACTIVITIES AND SCHEDULER OF SMART WINDOW EVENTS	PCT/US2020/022161	3/11/2020		
US	QUALITY CONTROL OF AN ELECTROCHROMIC DEVICE	62/903,101	9/20/2019		
US	DRIVER DEVICE	29/681,883	2/28/2019		
US	GATEWAY DEVICE	29/681,885	2/28/2019		
US	AUTOMATED CONTROL OF AN ELECTROCHROMIC DEVICE	62/890,040	8/21/2019		
US	EXPERT SYSTEM FOR PREDICTION OF CHANGES TO LOCAL ENVIRONMENT	13/798,050	3/12/2013	8/2/2016	9,406,028
US	EXPERT SYSTEM FOR PREDICTION OF CHANGES TO LOCAL ENVIRONMENT	15/225,047	8/1/2016	3/3/2020	10,579,024
US	EXPERT SYSTEM FOR PREDICTION OF CHANGES TO LOCAL ENVIRONMENT	16/804,370	2/28/2020		
US	PREDICTION AND CORRECTION OF HARDWARE FAILURES OF ELECTROCHROMIC DEVICES	62/930,957	11/5/2019		
US	ADAPTIVE LEARNING BASED ON USER INPUT FOR ELECTROCHROMIC DEVICES	62/929,647	11/1/2019		

**EXHIBIT B****Trademarks**

Property Type	Number	Word Mark
Serial Number:	87202922	HALIO
Serial Number:	87979405	HALIO
Serial Number:	87518158	HALIO
Serial Number:	87979235	HALIO
Serial Number:	88594897	HALIO ASPIRE
Serial Number:	88594890	HALIO SPECTRUM
Serial Number:	87510336	HALIOLIFE
Serial Number:	88174546	LIFE NEEDS LIGHT
Serial Number:	87510323	HALIOBLK
Serial Number:	85880424	KINESTRAL