PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8032950

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VERILY LIFE SCIENCES LLC	06/06/2023

RECEIVING PARTY DATA

Name:	TWENTY TWENTY THERAPEUTICS LLC
Street Address:	259 EAST GRAND AVENUE
City:	SOUTH SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94080

PROPERTY NUMBERS Total: 114

Property Type	Number
Application Number:	13559261
Application Number:	15349357
Application Number:	13626542
Application Number:	13590910
Application Number:	13559384
Application Number:	13621512
Application Number:	15994025
Application Number:	14025581
Application Number:	13625835
Application Number:	13659302
Application Number:	13627675
Application Number:	13743443
Application Number:	13920812
Application Number:	13930687
Application Number:	13931394
Application Number:	14027969
Application Number:	14451730
Application Number:	13931411
Application Number:	14028036
Application Number:	14143842

PATENT REEL: 064163 FRAME: 0186

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Property Type	Number
Application Number:	15701414
Application Number:	14133750
Application Number:	15614020
Application Number:	14109214
Application Number:	14143596
Application Number:	15963319
Application Number:	14139865
Application Number:	14303672
Application Number:	14324119
Application Number:	14326429
Application Number:	29504549
Application Number:	29557919
Application Number:	14701360
Application Number:	15797711
Application Number:	14694953
Application Number:	14702528
Application Number:	15815401
Application Number:	14710332
Application Number:	15631815
Application Number:	16375539
Application Number:	15608808
Application Number:	14727620
Application Number:	15079800
Application Number:	14842703
Application Number:	14873025
Application Number:	16250563
Application Number:	14873034
Application Number:	16370618
Application Number:	14737266
Application Number:	16407836
Application Number:	14974544
Application Number:	15393837
Application Number:	16180820
Application Number:	14945261
Application Number:	15928473
Application Number:	14937135
Application Number:	16576596
Application Number:	14985315

Property Type	Number
Application Number:	15221522
Application Number:	16509430
Application Number:	15144358
Application Number:	15194245
Application Number:	16107561
Application Number:	17039606
Application Number:	16544404
Application Number:	17131190
Application Number:	15275271
Application Number:	16913519
Application Number:	16440699
Application Number:	15697651
Application Number:	15714964
Application Number:	17315686
Application Number:	16333499
Application Number:	15278394
Application Number:	16293421
Application Number:	15702297
Application Number:	15870208
Application Number:	16107823
Application Number:	15923055
Application Number:	15435167
Application Number:	16879206
Application Number:	15488338
Application Number:	15900200
Application Number:	16935609
Application Number:	16150320
Application Number:	17314428
Application Number:	16258916
Application Number:	15944298
Application Number:	17163898
Application Number:	18307147
Application Number:	16147613
Application Number:	16125384
Application Number:	16134776
Application Number:	16176884
Application Number:	16136030
Application Number:	16122741

Property Type	Number
Application Number:	16373533
Application Number:	16280362
Application Number:	16505563
Application Number:	16709184
Application Number:	16664726
Application Number:	16721032
Application Number:	16709186
Application Number:	16352215
Application Number:	16670921
Application Number:	16803767
Application Number:	16721287
Application Number:	18123019
Application Number:	17031292
Application Number:	16721671
Application Number:	17030736
Application Number:	16528290
Application Number:	14637251
Application Number:	14587639

CORRESPONDENCE DATA

Fax Number: (206)224-0779

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Email: patents@cojk.com

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Address Line 2: 1201 THIRD AVE, SUITE 3600
Address Line 4: SEATTLE, WASHINGTON 98101

ATTORNEY DOCKET NUMBER:	4338-G001
NAME OF SUBMITTER:	CORY G. CLAASSEN; REG. NO 50,296
SIGNATURE:	/Cory G. Claassen/
DATE SIGNED:	06/29/2023

Total Attachments: 21

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CORPORATION TO CORPORATION ASSIGNMENT

This Corporation-to-Corporation Assignment (this "Assignment") is by:

Assignor: VERILY LIFE SCIENCES LLC Address: 269 East Grand Avenue South San Francisco, CA 94080 a Delaware limited liability company

(referred to in this Assignment as "Assignor"), which is the sole and exclusive owner, by assignment or operation of law, of the U.S., foreign and international patent applications and the U.S. and foreign patents identified in the attached <u>Schedule A</u> and the inventions covered thereby.

This Assignment is to:

Assignee: TWENTY TWENTY THERAPEUTICS LLC

Address: 259 East Grand Avenue South San Francisco, CA 94080 a Delaware limited liability company

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under said patent applications and patents and the inventions covered thereby.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignor hereby unconditionally and irrevocably assigns, conveys, transfers and sets over, to Assignee and its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to and under the abovementioned patent applications, patents and inventions, and any and all non-provisionals, divisions, continuations, and continuations-in part claiming priority thereto or the benefit thereof, substitutions of said applications, national or regional stage entries of said international applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor, thereon or as a result thereof, including, without limitation, any modifications to such letters patent or patents such as through reissue, reexamination or other post-grant proceedings, and any and all extensions of said letters patent or patents (collectively, the "Assigned Patents"), and all rights under the Paris Convention for the Protection of Industrial Property with respect to the Assigned Patents, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said patent applications and patents and any and all patent applications and patents claiming priority thereto or based thereon), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which said letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this Assignment not been made.

- 2. Assignor shall promptly sign and execute all papers and documents, and take all lawful oaths, necessary or appropriate for the procurement, maintenance, or defense of the Assigned Patents by, or otherwise to secure title thereto to, Assignee and its successors, legal representatives, and assigns, at the sole cost and expense of Assignee and its successors, legal representatives, and assigns. For purposes of this paragraph, "procurement, maintenance, or defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and defensive postgrant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
- 3. Assignor hereby authorizes and requests the Commissioner of Patents in the United States to issue the above-mentioned letters patent of the United States to Assignee, and the counterpart thereof in each other applicable country and jurisdiction to issue the above-mentioned patents of such other country or jurisdiction to Assignee, in each case as the assignee of said inventions for the sole use of Assignee and its successors, legal representatives and assigns.
- 4. Assignor hereby grants Assignee's attorneys the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this Assignment, including the power to insert on this Assignment the application number and filing date of said applications when known.
- 5. This Assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one instrument.

[Signature pages follow]

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR: VERILY LIFE SCIENCES LLC

Date: 6/6/2023

Signature: Stephen Gillett

Signature: Stephen Gillett

Title: CEO

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

We accept this Assignment:

ASSIGNEE:

TWENTY TWENTY THERAPEUTICS LLC

Date: 6/6/2023

Signature: Dimitri Azar

Title: CEO

Schedule A

Jurisdiction	Title	Filing Date	Application No.	Patent No.
European Patent Office	Contact Lenses With Hybrid Power Sources	3/12/2014	14885409.4	
United States	Contact Lenses With Hybrid Power Sources	7/26/2012	13/559,261	9,523,865
United States	Contact Lenses With Hybrid Power Sources	11/11/2016	15/349,357	10,120,203
Germany	Facilitation Of Temperature Compensation For Contact Lens Sensors And Temperature Sensing	9/13/2013	13840723.4	2901118
Spain	Facilitation Of Temperature Compensation For Contact Lens Sensors And Temperature Sensing	9/13/2013	13840723.4	2901118
France	Facilitation Of Temperature Compensation For Contact Lens Sensors And Temperature Sensing	9/13/2013	13840723.4	2901118
United Kingdom	Facilitation Of Temperature Compensation For Contact Lens Sensors And Temperature Sensing	9/13/2013	13840723.4	2901118
Italy	Facilitation Of Temperature Compensation For Contact Lens Sensors And Temperature Sensing	9/13/2013	13840723.4	2901118
United States	Facilitation Of Temperature Compensation For Contact Lens Sensors And Temperature Sensing	9/25/2012	13/626,542	8,979,271
United States	Contact Lens With Metal Portion And Polymer Layer Having Indentations	8/21/2012	13/590,910	9,696,564
Australia	Facilitation Of Contact Lenses With Capacitive Sensors	3/11/2014	2014321804	2014321804
Canada	Facilitation Of Contact Lenses With Capacitive Sensors	3/11/2014	2925552	2925552
China	The Promotion Of Contact Lens With Capacitance Sensor	3/11/2014	201480052438.2	105579892
Japan	Easier Contact Lenses Integrated With Capacitive Sensors	3/11/2014	2016-544315	6359106
United States	Facilitation Of Contact Lenses With Capacitive Sensors	7/26/2012	13/559,384	8,857,981
Australia	Sensing System	9/16/2013	2013315114	2013315114

Jurisdiction	Title	Filing Date	Application No.	Patent No.
China	Sensing System	9/16/2013	ZL 201380048403.7	104661581
Germany	Sensing System	9/16/2013	13837832.8	60 2013 046 440.5
Germany	Sensing System	9/16/2013	18196913.0	3443884
Spain	Sensing System	9/16/2013	13837832.8	2895048
France	Sensing System	9/16/2013	13837832.8	2895048
France	Sensing System	9/16/2013	18196913.0	3443884
United Kingdom	Sensing System	9/16/2013	13837832.8	2895048
United Kingdom	Sensing System	9/16/2013	18196913.0	3443884
Italy	Sensing System	9/16/2013	13837832.8	2895048
Japan	Sensing System	9/16/2013	2015-532120	6113286
United States	Sensing System	9/17/2012	13/621,512	10,010,270
United States	Sensing System	5/31/2018	15/994,025	10,932,695
South Korea	Assembling Thin Silicon Chips On A Contact Lens	9/11/2013	10-2017- 7008009	102197561
Taiwan	Method For Manufacturing A Device Having An Integrated Circuit And A Device Formed Therefrom	9/25/2013	104134987	1588558
United States	Assembling Thin Silicon Chips On A Contact Lens	9/12/2013	14/025,581	9,054,079
United States	Contact Lens That Facilitates Antenna Communication Via Sensor Impedance Modulation	9/24/2012	13/625,835	8,870,370
United States	Contact Lens And Method Of Manufacture To Improve Sensor Sensitivity	10/24/2012	13/659,302	9,176,332
United States	Contact Lens Having An Uneven Embedded Substrate And Method Of Manufacture	9/26/2012	13/627,675	8,985,763

Jurisdiction	Title	Filing Date	Application No.	Patent No.
China	Ampere Current Measuring Method And Biosensor Device	1/8/2014	201710816263.3	107589161
Germany	Standby Biasing Of Electrochemical Sensor To Reduce Sensor Stabilization Time During Measurement	1/8/2014	14742842.9	2951568
United Kingdom	Standby Biasing Of Electrochemical Sensor To Reduce Sensor Stabilization Time During Measurement	1/8/2014	14742842.9	2951568
China	The Method That Loop Configuration Is Arranged In Eye Mountable Device	11/12/2013	201380070768.X	104937478
Germany	Method Of Ring-Shaped Structure Placement In An Eye-Mountable Device	11/12/2013	13871948.9	2906989
United Kingdom	Method Of Ring-Shaped Structure Placement In An Eye-Mountable Device	11/12/2013	13871948.9	2906989
Ireland	Method Of Ring-Shaped Structure Placement In An Eye-Mountable Device	11/12/2013	13871948.9	2906989
Japan	Method For Positioning An Annular Structure In An Eye Wearable Device	11/12/2013	2015-552629	5970740
South Korea	Method Of Ring-Shaped Structure Placement In An Eye-Mountable Device	11/12/2013	10-2015- 7018941	101616338
United States	Method Of Ring-Shaped Structure Placement In An Eye-Mountable Device	1/17/2013	13/743,443	9,289,954
United States	Fully Integrated Pinhole Camera For Eye- Mountable Imaging System	6/18/2013	13/920,812	9,948,895
United States	Methods For Adhering A Substrate To A Polymer Layer	6/28/2013	13/930,687	9,901,247
United States	Devices And Methods For A Contact Lens With An Outward Facing Light Source	6/28/2013	13/931,394	8,833,934
United States	Devices And Methods For A Contact Lens With An Outward Facing Light Source	9/16/2013	14/027,969	8,827,445
United States	Devices And Methods For A Contact Lens With An Outward Facing Light Source	8/5/2014	14/451,730	9,610,032

Jurisdiction	Title	Filing Date	Application No.	Patent No.
China	For The Apparatus And Method With The Contact Lens To Inner Light Source	6/19/2014	201480044641.5	105452940
Japan	Device And Method For Contact Lenses With Inwardly Facing Light Sources	6/19/2014	2016-523809	6307603
United States	Devices And Methods For A Contact Lens With An Inward Facing Light Source	6/28/2013	13/931,411	9,668,646
United States	Devices And Methods For A Contact Lens With An Inward Facing Light Source	9/16/2013	14/028,036	8,764,185
China	Method And Apparatus For The Location Structure On Polymeric Layer	12/29/2014	201480071419.4	105873749
Germany	Methods And Apparatus For Positioning A Structure On A Polymer Layer	12/29/2014	14875917.8	3089865
United Kingdom	Methods And Apparatus For Positioning A Structure On A Polymer Layer	12/29/2014	14875917.8	3089865
Malaysia	Methods And Apparatus For Positioning A Structure On A Polymer Layer	12/29/2014	PI2016000990	MY-192704-A
Singapore	Methods And Apparatus For Positioning A Structure On A Polymer Layer	12/29/2014	11201605349V	11201605349V
United States	Methods And Apparatus For Positioning A Structure On A Polymer Layer	12/30/2013	14/143,842	9,782,942
United States	Methods And Apparatus For Positioning A Structure On A Polymer Layer	9/11/2017	15/701,414	10,603,854
United States	Packaging For An Active Contact Lens	12/19/2013	14/133,750	9,701,458
United States	Packaging For An Active Contact Lens	6/5/2017	15/614,020	10,577,166
United States	Devices And Systems For Lens Support	12/17/2013	14/109,214	9,656,359
China	Method For Adjusting The Electric Power Of External Reader	12/23/2014	201480071707.X	105874476
Germany	Methods For Adjusting The Power Of An External Reader	12/23/2014	14876410.3	3090388
United Kingdom	Methods For Adjusting The Power Of An External Reader	12/23/2014	14876410.3	3090388

Jurisdiction	Title	Filing Date	Application No.	Patent No.
Netherlands	Methods For Adjusting The Power Of An External Reader	12/23/2014	14876410.3	3090388
United States	Methods For Adjusting The Power Of An External Reader	12/30/2013	14/143,596	9,973,238
United States	Methods For Adjusting The Power Of An External Reader	4/26/2018	15/963,319	10,644,755
United States	Molded Electronic Structures In Body- Mountable Devices	12/23/2013	14/139,865	10,039,447
Brazil	System For Aligning A Handheld Rfid Reader	5/12/2015	1120160272269	1120160272269
Germany	System For Aligning A Handheld Rfid Reader	5/12/2015	15807219.9	3155555
United Kingdom	System For Aligning A Handheld Rfid Reader	5/12/2015	15807219.9	3155555
Japan	System For Alignment Of Handheld Rfid Reader	5/12/2015	2016-563448	
United States	System For Aligning A Handheld Rfid Reader	6/13/2014	14/303,672	9,400,904
United States	Manufacturing Method For Wireless Devices	7/4/2014	14/324,119	9,748,631
United States	Methods And Apparatus For Forming A Polymer Layer Around A Structure Using A Plurality Of Protrusions	7/8/2014	14/326,429	10,232,531
Canada	Contact Lens Antenna	1/14/2015	160510	160510
United States	Contact Lens Antenna	10/7/2014	29/504,549	D754,861
United States	Contact Lens Antenna	3/14/2016	29/557,919	D796,048
EUIPO/CTM	Contact Lens Antenna	1/15/2015	001442289-0001	001442289-0001
EUIPO/CTM	Contact Lens Antenna	1/15/2015	001442271-0001	001442271-0001
EUIPO/CTM	Contact Lens Antenna	1/15/2015	001428643-0001	001428643-0001
United Kingdom	Contact Lens Antenna	1/15/2015	9001442289000	90014422890001
United Kingdom	Contact Lens Antenna	1/15/2015	9001442271000	90014422710001

Jurisdiction	Title	Filing Date	Application No.	Patent No.
United Kingdom	Contact Lens Antenna	1/15/2015	9001428643000	90014286430001
United States	Smart Contact Device	3/3/2015	14/637,251	10,732,435
United States	Capacitive Gaze Tracking For Auto- Accommodation In A Contact Lens	12/31/2014	14/587,639	9,442,310
Australia	Flexible Conductor For Use Within A Contact Lens	5/15/2015	2015275151	2015275151
Australia	Flexible Conductor For Use Within A Contact Lens	5/15/2015	2017279674	2017279674
Brazil	Flexible Conductor For Use Within A Contact Lens	5/15/2015	1120160277635	1120160277635
China	Flexible Conductor For Use In Contact Lenses	5/15/2015	201580031765.4	106415373
Germany	Flexible Conductor For Use Within A Contact Lens	5/15/2015	15805825.5	3155474
France	Flexible Conductor For Use Within A Contact Lens	5/15/2015	15805825.5	3155474
United Kingdom	Flexible Conductor For Use Within A Contact Lens	5/15/2015	15805825.5	3155474
India	Flexible Conductor For Use Within A Contact Lens	5/15/2015	201647040758	408099
Japan	Flexible Conductor For Use In Contact Lenses	5/15/2015	2016-567596	6356831
United States	Flexible Conductor For Use Within A Contact Lens	4/30/2015	14/701,360	9,841,614
United States	Flexible Conductor For Use Within A Contact Lens	10/30/2017	15/797,711	10,670,887
United States	Power Delivery For Accommodation By An Eye- Mountable Device	4/23/2015	14/694,953	9,678,361
China	It Can Mount To The Methods, Devices And Systems Of The Device Of Eyes From User Interface Access	5/18/2015	201580031737.2	106456363

Jurisdiction	Title	Filing Date	Application No.	Patent No.
Germany	Method, Device And System For Accessing An Eye-Mountable Device With A User Interface	5/18/2015	15806273.7	3154481
France	Method, Device And System For Accessing An Eye-Mountable Device With A User Interface	5/18/2015	15806273.7	3154481
United Kingdom	Method, Device And System For Accessing An Eye-Mountable Device With A User Interface	5/18/2015	15806273.7	3154481
lapan	Method, Device And System For Accessing An Eye-Mountable Device With A User Interface	5/18/2015	2016-567658	6386090
Japan	Method, Device, And System For Accessing An Eye-Worn Device Using A User Interface	5/18/2015	2018-149763	6694479
United States	Method, Device And System For Accessing An Eye-Mountable Device With A User Interface	5/1/2015	14/702,528	9,880,401
United States	Apparatus, System And Method For Exchanging Encrypted Communications With An Eye- Mountable Device	11/16/2017	15/815,401	9,992,672
Australia	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	2015275156	2015275156
Australia	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	2018202379	2018202379
Canada	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	2950560	2950560
China	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	201580031769.2	106461973
Germany	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	15807226.4	3155477
United Kingdom	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	15807226.4	3155477
apan	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/18/2015	2016-567497	6395861
Jnited States	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	5/12/2015	14/710,332	9,690,118
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Jurisdiction	Title	Filing Date	Application No.	Patent No.
United States	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	6/23/2017	15/631,815	10,268,051
United States	Eye-Mountable Device To Provide Automatic Accommodation And Method Of Making Same	4/4/2019	16/375,539	11,199,727
United States	Eye-Mountable Devices And Structures For Eye- Mountable Devices	5/30/2017	15/608,808	9,962,115
United States	Capacitive Sensing Using A Contact Lens Sensor	6/1/2015	14/727,620	10,201,297
China	Body-Mountable Devices With Two Layers	3/24/2016	201680024462.4	107567596
European Patent Office	Body-Mountable Devices With Two Layers	3/24/2016	16717500.9	
United States	Body-Mountable Devices With Two Layers	3/24/2016	15/079,800	10,028,702
Taiwan	Electronic Devices With Encapsulating Silicone Based Adhesive	4/13/2016	105113549	1688372
United States	Apparatus, System And Method For Photodetection With A Transimpedance Amplifier Of An Eye-Mountable Device	9/1/2015	14/842,703	9,772,510
China	Lens-To-Lens Communication For Contact Lenses	8/23/2016	201680058396.2	108139610
China	Lens-To-Lens Communication For Contact Lenses	8/23/2016	202010150201.5	111413808
Germany	Lens-To-Lens Communication For Contact Lenses	8/23/2016	16759928.1	3356879
United Kingdom	Lens-To-Lens Communication For Contact Lenses	8/23/2016	16759928.1	3356879
United States	Lens-To-Lens Communication For Contact Lenses	10/1/2015	14/873,025	10,222,632
United States	Lens-To-Lens Communication For Contact Lenses	1/17/2019	16/250,563	11,022,819
China	Eye Convergence Detecton With Contact Lenses	8/23/2016	201680057900.7	CN108139609B

Jurisdiction	Title	Filing Date	Application No.	Patent No.
Germany	Eye Convergence Detecton With Contact Lenses	8/23/2016	16764004.4	3356880
United Kingdom	Eye Convergence Detecton With Contact Lenses	8/23/2016	16764004.4	3356880
United States	Eye Convergence Detection With Contact Lenses	10/1/2015	14/873,034	10,281,743
United States	Eye Convergence Detection With Contact Lenses	3/29/2019	16/370,618	11,243,415
China	Fail-Safe Operation Of Eye-Mountable Devices	6/12/2015	201580031770.5	106461974
Germany	Failsafe Operation Of Eye-Mountable Device	6/12/2015	15806857.7	3155476
Spain	Failsafe Operation Of Eye-Mountable Device	6/12/2015	15806857.7	3155476
France	Failsafe Operation Of Eye-Mountable Device	6/12/2015	15806857.7	3155476
United Kingdom	Failsafe Operation Of Eye-Mountable Device	6/12/2015	15806857.7	3155476
India	Failsafe Operation Of Eye-Mountable Device	6/12/2015	201647040759	356149
Italy	Failsafe Operation Of Eye-Mountable Device	6/12/2015	15806857.7	3155476
Japan	Fail-Safe Operation Of Eye-Mountable Devices	6/12/2015	2016-567925	6625563
United States	Failsafe Operation Of Eye-Mountable Device	6/11/2015	14/737,266	10,317,702
United States	Failsafe Operation Of Eye-Mountable Device	5/9/2019	16/407,836	11,187,922
China	Electrochromism Contact Lenses	11/9/2016	201680072742.2	
European Patent Office	Electro-Optic Contact Lens	11/9/2016	16798352.7	
United States	Electrochromic Contact Lens	12/18/2015	14/974,544	10,678,068
United States	Contact Lens-Based Methods To Deliver Power To Intraocular Devices	12/29/2016	15/393,837	10,117,740
United States	Contact Lens-Based Methods To Deliver Power To Intraocular Devices	11/5/2018	16/180,820	10,980,630
Australia	Intraocular Lens System With Folding Features	10/14/2016	2016355060	2016355060
China	Intraocular Lens System With Folding Features	10/14/2016	201680067316.X	108348330

Jurisdiction	Title	Filing Date	Application No.	Patent No.
United States	Intraocular Lens System With Folding Features	11/18/2015	14/945,261	9,956,073
United States	Intraocular Lens System With Folding Features	3/22/2018	15/928,473	10,485,656
Australia	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	2016351444	2016351444
China	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	201680065147.6	108292072
Germany	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	16790792.2	602016061294.1
France	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	16790792.2	3374826
United Kingdom	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	16790792.2	3374826
India	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	201847011366	
Japan	Dynamic Diffractive Liquid Crystal Lens	10/14/2016	2018-515271	6752273
United States	Dynamic Diffractive Liquid Crystal Lens	11/10/2015	14/937,135	10,437,129
United States	Dynamic Diffractive Liquid Crystal Lens	9/19/2019	16/576596	10,908,476
China	Infrared Communication With Ophthalmic Devices	11/16/2016	201680077372.1	108472153
United States	Infrared Communication With An Opthalmic Device	12/30/2015	14/985,315	10,092,397
China	Device, System And Method For Detecting The Overlay Of An Ophthalmic Device By An Eyelid	6/30/2017	201780045975.8	109477980
China	Ophthalmic Device	6/30/2017	202011082666.8	112438698
Germany	Device System And Method For Detecting Overlap Of An Ophthalmic Device By An Eyelid	17745546.6	6/30/2017	3491460
United Kingdom	Device System And Method For Detecting Overlap Of An Ophthalmic Device By An Eyelid	17745546.6	6/30/2017	3491460
India	Device, System And Method For Detecting Overlap Of An Ophthalmic Device By An Eyelid	6/30/2017	201947001017	385763
United States	Device, System And Method For Detecting Overlap Of An Ophthalmic Device By An Eyelid	7/27/2016	15/221,522	10,386,655
United States	Device, System And Method For Detecting Overlap Of An Ophthalmic Device By An Eyelid	7/11/2019	16/509,430	11,022,820

Jurisdiction	Title	Filing Date	Application No.	Patent No.
United States	Autonomous Eye Tracking Contact Lens	5/2/2016	15/144,358	9,939,658
Germany	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	5/9/2017	17724250.0	3474777
European Patent Office	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	5/9/2017	20165156.9	
Spain	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	5/9/2017	17724250.0	3474777
France	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	5/9/2017	17724250.0	3474777
United Kingdom	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	5/9/2017	17724250.0	3474777
ltaly	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	5/9/2017	17724250.0	3474777
United States	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	6/27/2016	15/194,245	10,076,408
United States	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	8/21/2018	16/107,561	10,820,987
United States	Intraocular Device With Wirelessly Coupled Auxiliary Electronics	9/30/2020	17/039,606	11,364,109
United States	Multi-Component Contact Lens Having Posterior And Anterior Features	8/19/2019	16/544,404	10,877,295
United States	Multi-Component Contact Lens Having Posterior And Anterior Features	12/22/2020	17/131,190	11,378,819
China	Rigid, Gas-Permeable Polymer As Over-Mold And Sealant For Adaptive Ophthalmic Lens	9/21/2017	201780065608.4	109863015
European Patent Office	Manufacturing Method For Forming An Electroactive Lens And Electroactive Lens Thereof	9/21/2017	17778431.1	
India	Rigid, Gas-Permeable Polymer As Over-Mold And Sealant For Adaptive Ophthalmic Lens	9/21/2017	201947010451	
United States	Rigid, Gas-Permeable Polymer As Over-Mold And Sealant For Adaptive Ophthalmic Lens	9/23/2016	15/275,271	10,365,504

Jurisdiction	Title	Filing Date	Application No.	Patent No.
United States	Rigid, Gas-Permeable Polymer As Over-Mold And Sealant For Adaptive Opthalmic Lens	6/26/2020	16913519	11,016,311
United States	Rigid, Gas-Permeable Polymer As Over-Mold And Sealant For Adaptive Opthalmic Lens	6/13/2019	16/440,699	10,718,958
European Patent Office	Drying And Sterilization Of Contact Lenses	9/18/2017	17777471.8	
United States	Sterilization Of Contact Lenses	9/7/2017	15/697,651	10,850,002
Australia	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/26/2017	2017332807	2017332807
China	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/26/2017	201780066586.3	109891270
Germany	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/26/2017	17787065.6	3516432
France	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/26/2017	17787065.6	3516432
United Kingdom	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/26/2017	17787065.6	3516432
India	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/26/2017	201947013128	382039
Japan	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Blends For Accommodation Contact Lenses	9/26/2017	2019-515254	6999654
United States	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	9/25/2017	15/714,964	11,035,983
United States	Cast-Moldable, High Refractive Index, Rigid, Gas Permeable Polymer Formulations For An Accommodating Contact Lens	5/10/2021	17/315,686	

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Germany	Intraocular Active Accommodation System	17780966.2	9/26/2017	3518830
United Kingdom	Intraocular Active Accommodation System	17780966.2	9/26/2017	3518830
United States	Intraocular Active Accommodation System	9/26/2017	16/333,499	11,273,029
China	Allow To Assemble The Alignment Characteristics Of The Layer Stack Body Of Liquid Filling	9/26/2017	201780067386.X	
Germany	Alignment Features That Allow For Liquid Filled Layered Stack To Assemble	9/26/2017	17784734.0	3519882
United Kingdom	Alignment Features That Allow For Liquid Filled Layered Stack To Assemble	9/26/2017	17784734.0	3519882
United States	Alignment Features That Allow For A Liquid Filled Layered Stack To Assemble	9/28/2016	15/278,394	10,254,566
United States	Alignment Features That Allow For A Liquid Filled Layered Stack To Assemble	3/5/2019	16/293,421	11,385,480
United States	Ophthalmic Device Including Optical Elements Having Patterned Tabs	9/12/2017	15/702,297	11,119,337
United States	Electrowetting Intraocular Lens With Isotonic Aqueous Phase	1/12/2018	15/870,208	10,918,476
China	Electrowetting Lens With Oleophobic Surface	8/22/2018	201880054849.3	111051966
European Patent Office	Electrowetting Lenses Having Oleophobic Surfaces	8/22/2018	18762741.9	
Japan	Electric Wet Lens With Oleophobic Surface	8/22/2018	2020-508474	7073483
United States	Electrowetting Lenses Having Oleophobic Surfaces	8/21/2018	16/107,823	11,191,636
United States	Biocompatible Materials For Underlid Device Fabrication	3/16/2018	15/923,055	11,008,413
China	Ophthalmic Device Including Liquid Crystal Alignment Features	1/22/2018	201880012111.0	110300916
United States	Ophthalmic Device Including Liquid Crystal Alignment Features	2/16/2017	15/435,167	10,698,235

Jurisdiction	Title	Filing Date	Application No.	Patent No.
United States	Ophthalmic Device Including Liquid Crystal Alignment Features	5/20/2020	16/879,206	11,194,178
China	Electrowetting Opthalmic Optics Including Gas- Permeable Components	3/22/2018	201880025019.8	110537137
European Patent Office	Electrowetting Opthalmic Optics Including Gas- Permeable Components	3/22/2018	18717186.3	
Japan	Electrowetting Opthalmic Optics Including Gas- Permeable Components	3/22/2018	2019-550172	6970207
United States	Electrowetting Opthalmic Optics Including Gas- Permeable Components	4/14/2017	15/488,338	10,509,238
Germany	Ophthalmic Device With Built-In Self-Test Circuitry For Testing An Adjustable Lens	3/21/2018	18717174.9	3602187
United Kingdom	Ophthalmic Device With Built-In Self-Test Circuitry For Testing An Adjustable Lens	3/21/2018	18717174.9	3602187
United States	Ophthalmic Device With Built-In Self-Test Circuitry For Testing An Adjustable Lens	2/20/2018	15/900,200	10,761,347
United States	Ophthalmic Device With Built-In Self-Test Circuitry For Testing An Adjustable Lens	7/22/2020	16/935,609	
China	Efficient Gesture-Based Contact Lens Algorithms For Person-To-Contact Lens Communication	10/2/2018	201880066271.3	111201479
European Patent Office	Efficient Gesture-Based Contact Lens Algorithms For Human To Contact Lens Communication	10/2/2018	18866738.0	
United States	Efficient Gesture-Based Contact Lens Algorithms For Human To Contact Lens Communication	10/3/2018	16/150,320	11,002,990
United States	Efficient Gesture-Based Contact Lens Algorithms For Human To Contact Lens Communication	5/7/2021	17/314,428	
United States	Intraocular Lens With Reinforcing Layer	1/28/2019	16/258,916	10,874,506
China	Electrowetting Intraocular Lens Comprising Elastic Electrode	4/30/2018	201880029514.6	110603479

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European Patent Office	Electrowetting Intraocular Lens Comprising Elastic Electrode	4/30/2018	18731550.2	
Japan	Electrowetting Ophthalmic Device Including Elastic Electrodes	4/30/2018	2019-555494	7053661
United States	Electrowetting Ophthalmic Devices Including An Elastic Electrode	4/3/2018	15/944,298	10,905,545
United States	Electrowetting Ophthalmic Devices Including An Elastic Electrode	2/1/2021	17/163,898	
Jnited States	Electrowetting Ophthalmic Devices Including An Elastic Electrode	18/307,147	4/26/2023	
European Patent Office	Voltage Driver For Electrowetting Lens	10/2/2018	18866990.7	
United States	Voltage Driver For Electrowetting Lens	9/29/2018	16/147,613	11,394,296
China	Voltage Driver For Electrowetting Lens	10/2/2018	201880066299.7	111201468
China	Self-Healing Lead In A Humid Environment	9/7/2018	201880057949.1	111093958
European Patent Office	Self Healing Lead Wires In Humid Environments	9/7/2018	18854539.6	
Jnited States	Self Healing Lead Wires In Humid Environments	9/7/2018	16/125,384	10,866,431
China	Reinforcement Ring In Intraocular Lenses	9/20/2018	201880062243.4	111148485
European Patent Office	Reinforcement Ring In Intraocular Lenses	9/20/2018	18786492.1	
United States	Reinforcement Ring For Intraocular Lens	9/18/2018	16/134,776	11,304,796
China	Flexible Barrier Layer With Super Elastic Alloys	11/7/2018	201880073884.X	111356950
Germany	Flexible Barrier Layer With Super Elastic Alloys	11/7/2018	18807824.0	3710885
United Kingdom	Flexible Barrier Layer With Super Elastic Alloys	11/7/2018	18807824.0	3710885
India	Flexible Barrier Layer With Super Elastic Alloys	11/7/2018	202047018930	384792
Japan	Flexible Barrier Layer With Super Elastic Alloys	11/7/2018	2020-520128	6920552
United States	Flexible Barrier Layer Including Superelastic Alloys	10/31/2018	16/176,884	11,076,946

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China	Smart Contact Lens With Antenna And Sensor	9/20/2018	201880062147.X	
European Patent Office	Smart Contact Lens With Antenna And Sensor	9/20/2018	18786493.9	
United States	Smart Contact Lens With Antenna And Sensor	9/19/2018	16/136,030	11,143,885
United States	Controlled Unfolding Of Intraocular Lenses	9/5/2018	16/122,741	10,905,546
China	Eye-Mountable Device With Ciliary Muscle Sensor	4/4/2019	201980024678.4	
European Patent Office	Eye-Mountable Device With Ciliary Muscle Sensor	4/4/2019	19717743.9	
United States	Eye-Mountable Device With Muscle Sensor	4/2/2019	16/373,533	11,129,563
United States	Accommodative Distance Control System For Ophthalmic Devices	2/20/2019	16/280,362	11,243,414
European Patent Office	Switching Of Liquid Crystal Device	7/9/2019	19745892.0	
United States	Switching Of Liquid Crystal Device	7/8/2019	16/505,563	11,126,055
China	Ophthalmic Device With Blend Zones And Alignment Sidewalls	12/11/2019	201980081264.5	
European Patent Office	Ophthalmic Device With Blend Zones And Alignment Sidewalls	12/11/2019	19895036.2	
United States	Ophthalmic Device With Blend Zones And Alignment Sidewalls	12/10/2019	16/709,184	11550167
China	Adjustable Ophthalmic Devices, Systems, And Methods Of Adjustment	10/29/2019	201980071680.7	
United States	Adjustable Ophthalmic Devices, Systems, And Methods Of Adjustment	10/25/2019	16/664,726	11,357,619
United States	Ambient Brightness-Based Power Savings For Ophthalmic Device	12/19/2019	16/721,032	
European Patent Office	Electrowetting Ophthalmic Devices With Anion Getter	12/11/2019	19836300.4	
United States	Electrowetting Ophthalmic Devices With Anion Getter	12/10/2019	16/709,186	11,378,822

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China	Ultrasonic Ophthalmic Device	3/14/2019	201980019363.0	
European Patent Office	Ultrasonic Ophthalmic Device	3/14/2019	19718200.9	
United States	Ultrasonic Ophthalmic Device	3/13/2019	16/352,215	
China	Ophthalmic System Including Accommodating Intraocular Lens And Remote Component And Related Methods Of Use	11/5/2019	201980071616.9	
European Patent Office	Ophthalmic System Including Accommodating Intraocular Lens And Remote Component And Related Methods Of Use	11/5/2019	19809349.4	
United States	Ophthalmic System Including Accommodating Intraocular Lens And Remote Component And Related Methods Of Use	10/31/2019	16/670,921	11,311,373
United States	Wirelessly Loaded Impedance Sensor For Self- Test	2/27/2020	16/803,767	
European Patent Office	Impedance Sensor For Ophthalmic Device Using Shared Antenna Electrode	12/20/2019	19901153.7	
United States	Impedance Sensor For Ophthalmic Device Using Shared Antenna Electrode	12/19/2019	16/721,287	11607172
United States	Impedance Sensor For Ophthalmic Device Using Shared Antenna Electrode	18/123,019	3/17/2023	
United States	Oil-Resistant Lens Material And Ophthalmic Devices	9/24/2020	17031292	
United States	Fluid-Containing Contact Lens With Soft Posterior Element	12/19/2019	16/721,671	
United States	System And Kit For Replenishing An Electrowetting Ophthalmic Device	9/24/2020	17/030,736	
United States	Miniaturized Inductive Loop Antenna With Distributed Reactive Loads	7/31/2019	16/528,290	10,985,464

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