

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6357899

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NORTH INC.	09/16/2020
RECEIVING PARTY DATA		
Name:	GOOGLE LLC	
Street Address:	1600 AMPHITHEATRE PARKWAY	
City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94043	
PROPERTY NUMBERS Total: 100		
Property Type	Number	
Application Number:	62750060	
Application Number:	16661278	
Application Number:	62744282	
Application Number:	16596035	
Application Number:	62740167	
Application Number:	16587640	
Application Number:	62740170	
Application Number:	16590731	
Application Number:	62740176	
Application Number:	16590787	
Application Number:	62740178	
Application Number:	16590842	
Application Number:	62740183	
Application Number:	16590898	
Application Number:	62740188	
Application Number:	16590940	
Application Number:	62740702	
Application Number:	16591721	
Application Number:	62740703	
Application Number:	16591756	

Property Type	Number
Application Number:	62740705
Application Number:	62740706
Application Number:	62770561
Application Number:	16688458
Application Number:	62754307
Application Number:	16668677
Application Number:	62864061
Application Number:	16904788
Application Number:	62740707
Application Number:	16591769
Application Number:	62740708
Application Number:	16591796
Application Number:	62741099
Application Number:	62741110
Application Number:	16592920
Application Number:	62743325
Application Number:	16594430
Application Number:	62743329
Application Number:	16594514
Application Number:	62743332
Application Number:	16594568
Application Number:	62754339
Application Number:	62782918
Application Number:	62789908
Application Number:	62845956
Application Number:	16671312
Application Number:	16671373
Application Number:	16671415
Application Number:	62835578
Application Number:	16850550
Application Number:	62810569
Application Number:	16742467
Application Number:	62773855
Application Number:	16699263
Application Number:	62802122
Application Number:	16749439
Application Number:	62861602
Application Number:	16900099

Property Type	Number
Application Number:	62804522
Application Number:	16787298
Application Number:	62755206
Application Number:	16670284
Application Number:	62760835
Application Number:	63001769
Application Number:	62809025
Application Number:	16796294
Application Number:	62773851
Application Number:	16700255
Application Number:	63006260
Application Number:	62782923
Application Number:	16713230
Application Number:	62791514
Application Number:	16738206
Application Number:	62805615
Application Number:	16789886
Application Number:	62817666
Application Number:	16810323
Application Number:	62808655
Application Number:	16796141
Application Number:	62814565
Application Number:	16782230
Application Number:	62837764
Application Number:	16856353
Application Number:	62846979
Application Number:	16738100
Application Number:	62850598
Application Number:	16879047
Application Number:	62860309
Application Number:	16898773
Application Number:	62862355
Application Number:	16897799
Application Number:	62863935
Application Number:	16906314
Application Number:	62878840
Application Number:	62888129
Application Number:	62890269

Property Type	Number
Application Number:	62895721
Application Number:	62897690
Application Number:	62898158
Application Number:	62904742

CORRESPONDENCE DATA

Fax Number: (512)355-1119

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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Address Line 4: AUSTIN, TEXAS 78731

ATTORNEY DOCKET NUMBER:	NORTH TO GOOGLE ASGMT
NAME OF SUBMITTER:	DANIELLE HAYNES
SIGNATURE:	/Danielle Haynes/
DATE SIGNED:	10/20/2020

Total Attachments: 43

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CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

This CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS (this “**Assignment**”) is made and entered into as of September 16, 2020, by and between North, Inc., a Canadian Corporation (“**Assignor**”), and Google LLC, a Delaware Limited Liability Corporation (“**Assignee**”).

WHEREAS, Assignee and Assignor or its affiliate have entered into that certain agreement dated as of June 29, 2020 (the “**Agreement**”), pursuant to which Assignor has agreed to assign, transfer, and convey to Assignee, and Assignee has agreed to accept all of Assignor’s right, title, and interest in and to the Assigned Patents.

“**Assigned Patents**” means, any and all patents and patent applications: (a) listed on **Exhibit A** (“Listed Patents”); (b) to which any of the Listed Patents is or reasonably should be terminally disclaimed or for which any of the foregoing forms a basis for a terminal disclaimer; (c) to which any of the foregoing in (a) and (b) claims or is entitled to claim priority, including any parent application, provisional or other priority document; (d) that are national (of any country of origin), international or multinational counterparts to any of the foregoing in (a) through (c); or (e) that claim priority to or have common priority with any of the foregoing in (a) through (d), including all continuing, divisional and continuation-in-part applications of any of the foregoing; or (f) that issue anywhere in the world from any of the patent applications in any of the foregoing (a) through (e); or (g) that arise out of any corrections, substitutions, reissues, extensions, renewals or re-examinations of any of the foregoing (a) through (f).

NOW, THEREFORE, for good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee agree as follows:

Assignor hereby irrevocably assigns, transfers, and conveys to Assignee all right, title, and interest in and to:

- (a) the Assigned Patents;
- (b) all inventions, invention disclosures, and discoveries described in any of the Assigned Patents;
- (c) all rights of priority related to the Assigned Patents and rights to apply in any or all countries of the world for patents claiming any inventions, invention disclosures, and discoveries described in any of the Assigned Patents; and
- (d) all claims, causes of action (whether known or unknown, accrued or unaccrued, or currently pending, filed, or otherwise), provisional rights, and other enforcement rights under, or on account of, any of the Assigned Patents, including all (i) rights to pursue damages, injunctive relief, and any other remedies of any kind (including based on provisional rights) for past, current, and future infringement, and (ii) rights to collect royalties or other payments under or on account of any of the Assigned Patents.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention that may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

This Assignment will be binding upon and will inure to the benefit of the parties and their respective successors and assigns.

This Assignment will be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of California, without reference to its choice of law principles to the contrary.

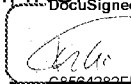
This Assignment may be executed in counterparts, each of which will be deemed an original, and all of which together constitute one and the same instrument.

[Signatures to Follow]

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed by its duly authorized representative as of this the date first set forth above.

ASSIGNOR:

NORTH, INC

By:  DocuSigned by:
C6564282FDC44ED...


Name: Kenneth Yi

Title: President

IN WITNESS WHEREOF, Assignee has caused this Assignment to be executed by its duly authorized representative as of the date first set forth above.

ASSIGNEE:

GOOGLE LLC

By:  DocuSigned by:
3EA0F730F3E74B3...

Name: Michael Lee

Title: Authorized Signatory of Google LLC

EXHIBIT A
LISTED PATENTS

Patent No.	Application No.	Country	Title
	12775177.4	EP	An Actuator
JP6044943	2012-004338	JP	An Actuator
	PCT/EP2012/068822	WO	An Actuator
	61/551,018	US	Electromagnetic Actuator For Optical Device To Reduce Temperature And Deformation
9,467,034	14/353,746	US	Electromagnetic Actuator For Optical Device To Reduce Temperature And Deformation
CN106574761	201580042173	CN	Method And System For Controlling A Laser-Based Lighting System
	15839810.7	EP	Method And System For Controlling A Laser-Based Lighting System
JP6535834	2017-504749	JP	Method And System For Controlling A Laser-Based Lighting System
	10-2017-7003188	KR	Method And System For Controlling A Laser-Based Lighting System
	PCT/US2015/048834	WO	Method And System For Controlling A Laser-Based Lighting System
9,826,203	14/480,580	US	Method And System For Controlling A Laser-Based Lighting System
	15/817,619	US	Method And System For Controlling A Laser-Based Lighting System
9,341,840	14/406,498	US	Mems Device
9,983,401	15/156,200	US	A Mems Device
	15/991,135	US	A Mems Device
	PCT/EP2012/061196	WO	Mems Device
	12725397.9	EP	A Projection Device
JP6069754	2015-514364	JP	Projection Device
9,846,353	14/403,818	US	A Projection Device
	PCT/EP2012/060340	WO	A Projection Device
	15/844,896	US	A Projection Device
10,437,325	15/242,341	US	Retinal See Through Display Power Level Determination Method And Apparatus
	PCT/US2017/42900	WO	Retinal See Through Display Power Level Determination Method And Apparatus
CN102439509	200980159186	CN	Passive Alignment Method And Its Application In Micro Projection Devices

	9779408.5	EP	Passive Alignment Method And Its Application In Micro Projection Devices
	2012-508902	JP	Passive Alignment Method And Its Application In Micro Projection Devices
8,267,532	13/217,424	US	Passive Alignment Method And Its Application In Micro Projection Devices
	PCT/EP2009/055427	WO	Passive Alignment Method And Its Application In Micro Projection Devices
	201810401705	CN	Beam Guiding Device
	102018206810	DE	Beam Guiding Device
	2018-88660	JP	Beam Guiding Device
	10-2018-0050862	KR	Beam Guiding Device
	15/585,481	US	Beam Guiding Device
9,651,775	14/654,465	US	A Method For Reducing Speckle
10,386,630	15/480,304	US	Mems Device
	PCT/EP2012/076259	WO	A Mems Device
	201680052831	CN	For The Wearing Of The Display Which Can Change Reflectivity Image Combination Of
	112016004665	DE	Variable Reflectivity Image Combiner For Wearable Displays
	62/240,408	US	Variable Reflectivity Image Combiner For Wearable Displays
	14/977,403	US	Variable Reflectivity Image Combiner For Wearable Displays
	16/243,822	US	Variable Reflectivity Image Combiner For Wearable Displays
	PCT/US2016/055043	WO	Variable Reflectivity Image Combiner For Wearable Displays
9,010,936	13/638,308	US	Optical Mems Scanning Micro-Mirror With Anti-Speckle Cover
9,921,415	14/692,517	US	Mems Micro-Mirror Device
10,281,734	15/925,527	US	Optical Mems Scanning Micro-Mirror With Anti-Speckle Cover
	PCT/EP2010/055764	WO	Optical Mems Scanning Micro-Mirror With Anti-Speckle Cover
	62/525,601	US	Systems, Devices, And Methods For Optical Waveguides
	16/020,000	US	Systems, Devices, And Methods For Optical Waveguides
	16/020,002	US	Systems, Devices, And Methods For Optical Waveguides

	16/020,007	US	Systems, Devices, And Methods For Optical Waveguides
	16/020,011	US	Systems, Devices, And Methods For Optical Waveguides
	62/534,099	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
10,678,058	16/038,435	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
	16/038,437	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
	16/038,439	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
	16/038,483	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
	16/038,444	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
	16/038,447	US	Systems, Devices, And Methods For Embedding A Diffractive Element In An Eyeglass Lens
	62/537,344	US	Systems And Devices For Narrow Waveband Laser Diodes
	16/046,438	US	Systems, Devices, And Methods For Narrow Waveband Laser Diodes
10,505,338	16/046,443	US	Systems And Devices For Narrow Waveband Laser Diodes
10,466,488	16/046,430	US	Systems, Devices, And Methods For Narrow Waveband Laser Diodes
	62/537,737	US	Systems, Devices, And Methods For Laser Projectors
10,444,608	16/047,852	US	Systems, Devices, And Methods For Laser Projectors
10,444,609	16/047,857	US	Systems, Devices, And Methods For Laser Projectors
10,444,610	16/047,859	US	Systems, Devices, And Methods For Laser Projectors
	62/553,544	US	Systems, Devices, And Methods For Manufacturing An Eyeglass Lens
	16/119,499	US	Systems, Devices, And Methods For Manufacturing An Eyeglass Lens
	16/119,515	US	Systems, Devices, And Methods For Manufacturing An Eyeglass Lens
	16/119,523	US	Systems, Devices, And Methods For Manufacturing An Eyeglass Lens
	62/482,062	US	Systems, Devices, And Methods For Waveguides In Curved Lenses
	15/946,549	US	Systems, Devices, And Methods For Planar Waveguides Embedded In Curved Eyeglass Lenses

	16/057,481	US	Systems, Devices, And Methods Employing Waveguides Embedded In Curved Lenses
10,310,271	16/057,429	US	Systems, Devices, And Methods Employing Waveguides Embedded In Curved Lenses
	16/057,432	US	Systems, Devices, And Methods Employing Waveguides Embedded In Curved Lenses
	15/946,557	US	Systems, Devices, And Methods For Planar Waveguides Embedded In Curved Eyeglass Lenses
	15/946,562	US	Systems, Devices, And Methods For Curved Waveguides Integrated With Curved Eyeglass Lenses
10,571,617	15/946,565	US	Systems, Devices, And Methods For Curved Waveguides Integrated With Curved Eyeglass Lenses
1/31/30673	15/946,569	US	Systems, Devices, And Methods For Curved Waveguides Integrated With Curved Eyeglass Lenses
	62/557,551	US	Systems, Devices, And Methods For Optical Waveguides
	16/128,114	US	Systems, Devices, And Methods For Optical Waveguides
	62/557,554	US	Systems, Devices, And Methods For Optical Waveguides
10,527,855	16/127,972	US	Systems, Devices, And Methods For Optical Waveguides
	16/127,976	US	Systems, Devices, And Methods For Optical Waveguides
	16/127,981	US	Systems, Devices, And Methods For Optical Waveguides
	16/127,990	US	Systems, Devices, And Methods For Optical Waveguides
10,634,919	16/128,084	US	Systems, Devices, And Methods For Optical Waveguides
	16/128,095	US	Systems, Devices, And Methods For Optical Waveguides
	16/128,106	US	Systems, Devices, And Methods For Optical Waveguides
	62/575,677	US	Free Space Multiple Laser Diode Modules
	PCT/CA2018/051344	WO	Free Space Multiple Laser Diode Modules
	62/576,962	US	Free Space Multiple Laser Diode Module With Fast Axis Collimator
	62/597,294	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
	16/168,690	US	Free Space Multiple Laser Diode Modules
	62/591,550	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers

	16/168,694	US	Free Space Multiple Laser Diode Modules
	62/591,030	US	Compact Optical Engine And Method Of Manufacturing Same
	16/168,695	US	Free Space Multiple Laser Diode Modules
	62/608,749	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
	16/168,699	US	Free Space Multiple Laser Diode Modules
	62/609,870	US	Grating Waveguide Combiner For Optical Engine
10,649,215	16/171,206	US	Free Space Multiple Laser Diode Module With Fast Axis Collimator
	62/620,600	US	Wavelength Stabilization Of Laser Diodes By Temperature Control
	16/171,212	US	Free Space Multiple Laser Diode Module With Fast Axis Collimator
	62/760,835	US	Photonic Integrated Circuit Fabricated By Direct Laser Writing
	16/171,214	US	Free Space Multiple Laser Diode Module With Fast Axis Collimator
	16/171,223	US	Free Space Multiple Laser Diode Module With Fast Axis Collimator
10,527,856	16/171,228	US	Free Space Multiple Laser Diode Module With Fast Axis Collimator
	16/201,664	US	Compact Optical Engine And Method Of Manufacturing Same
	16/201,770	US	Compact Optical Engine And Method Of Manufacturing Same
	16/201,841	US	Compact Optical Engine And Method Of Manufacturing Same
	16/201,901	US	Compact Optical Engine And Method Of Manufacturing Same
	16/201,935	US	Compact Optical Engine And Method Of Manufacturing Same
	16/203,221	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers
	16/203,243	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers
	16/203,256	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers
	16/203,267	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers
	16/203,278	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers

	16/203,286	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers
	16/203,291	US	Wavelength Combiner Photonic Integrated Circuit With Edge Coupling Of Lasers
	16/216,899	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
	16/216,910	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
	16/216,918	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
10,571,703	16/216,925	US	Wavelength Combiner Method Using Photonic Integrated Circuit With Respective Input Facets For Corresponding Lasers
	16/216,932	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
	16/216,939	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
	16/216,944	US	Wavelength Combiner Photonic Integrated Circuit With Grating Coupling Of Lasers
10,656,353	16/231,019	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
	16/231,281	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
	16/231,282	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
10,670,818	16/231,284	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
	16/231,287	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
	16/231,289	US	Directly Written Waveguide For Coupling Of Laser To Photonic Integrated Circuit
	16/231,325	US	Grating Waveguide Combiner For Optical Engine For Collimating Respective Plural Laser Signals
	16/231,326	US	Grating Waveguide Combiner For Optical Engine With Scanning Mirror System
10,656,426	16/231,328	US	Grating Waveguide Combiner For Optical Engine
	16/231,330	US	Grating Waveguide Combiner For Optical Engine
	16/254,912	US	Wavelength Stabilization Of Laser Diodes By Temperature Control
	62/565,677	US	Systems, Devices, And Methods For Embedding A Holographic Optical Element In An Eyeglass Lens
	16/142,391	US	Systems, Devices, And Methods For Embedding A Holographic Optical Element In An Eyeglass Lens

	16/142,396	US	Systems, Devices, And Methods For Embedding A Holographic Optical Element In An Eyeglass Lens
	16/142,398	US	Systems, Devices, And Methods For Embedding A Holographic Optical Element In An Eyeglass Lens
	62/564,858	US	Systems, Devices, And Methods For Waveguide-Based Eyebox Expansion In Wearable Heads-Up Displays
	16/143,025	US	Systems, Devices, And Methods For Waveguide-Based Eyebox Expansion In Wearable Heads-Up Displays
	16/143,030	US	Systems, Devices, And Methods For Waveguide-Based Eyebox Expansion In Wearable Heads-Up Displays
9,671,683	13/881,130	US	Multiple Light Source Projection System To Project Multiple Images
10,291,889	15/613,634	US	Multiple Light Source Projection System To Project Multiple Images
	PCT/EP2010/068606	WO	A Projection System
	62/577,081	US	System And Method For Reduced Visual Footprint Of Textual Communications
	16/171,229	US	System And Method For Reduced Visual Footprint Of Textual Communications
	PCT/CA2018/051353	WO	System And Method For Reduced Visual Footprint Of Textual Communications
	16/171,234	US	System And Method For Reduced Visual Footprint Of Textual Communications
	16/171,238	US	System And Method For Reduced Visual Footprint Of Textual Communications
	62/573,978	US	Systems, Devices, And Methods For Optical Waveguides
	16/164,549	US	Systems, Devices, And Methods For Optical Waveguides
	16/164,562	US	Systems, Devices, And Methods For Optical Waveguides
	16/164,558	US	Systems, Devices, And Methods For Optical Waveguides
	16/164,564	US	Systems, Devices, And Methods For Optical Waveguides
	62/593,073	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording
	16/204,842	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording
	16/204,848	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording
	16/204,853	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording

	16/204,855	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording
	16/204,860	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording
	16/204,864	US	Systems, Devices, And Methods For Aperture-Free Hologram Recording
	62/607,816	US	Wearable Electronic Devices Having A Multi-Use Single Switch And Methods Of Use Thereof
10,691,180	16/226,213	US	Wearable Electronic Devices Having A Multi-Use Single Switch And Methods Of Use Thereof
	16/226,308	US	Wearable Electronic Devices Having A Multi-Use Single Switch And Methods Of Use Thereof
	16/226,314	US	Wearable Electronic Devices Having A Multi-Use Single Switch And Methods Of Use Thereof
	3027958	CA	Magnetic Connector System
	62/608,385	US	Magnetic Connector For A Wearable Ring
	62/734,792	US	Charger Case For Wearable Electronics
10,700,481	16/216,502	US	Magnetic Connector System
10,468,838	16/216,522	US	Magnetic Connector
	16/216,528	US	Electronic Device Including A Connector Receptacle Having A Rotationally Symmetric Contact Plane
	16/576,965	US	Charger Case For Wearable Electronics
	62/607,819	US	Wearable Electronic Devices Having An Inward Facing Input Device And Methods Of Use Thereof
10,678,391	16/226,319	US	Wearable Electronic Devices Having An Inward Facing Input Device And Methods Of Use Thereof
	16/226,326	US	Wearable Electronic Devices Having An Inward Facing Input Device And Methods Of Use Thereof
	16/226,330	US	Wearable Electronic Devices Having An Inward Facing Input Device And Methods Of Use Thereof
10,459,495	16/226,422	US	Wearable Electronic Devices Having An Inward Facing Input Device And Methods Of Use Thereof
	16/226,426	US	Wearable Electronic Devices Having An Inward Facing Input Device And Methods Of Use Thereof
	62/608,463	US	Systems, Devices, And Methods For A Wearable Ring Antenna
	16/227,347	US	Systems, Devices, And Methods For A Wearable Ring Antenna
	18890370.2	EP	Antenna Designs For Wearable Heads-Up Displays
	2011184.5	GB	Wearable Heads-Up Display With Wireless Communication Module
	61/989,848	US	Systems, Devices, And Methods For Wearable Computers With Heads-Up Displays

	14/704,663	US	Systems, Devices, And Methods For Wearable Computers With Heads-Up Displays
	16/219,426	US	Systems, Devices, And Methods For Wearable Computers With Heads-Up Displays
	PCT/CA2018/051657	WO	Wearable Heads-Up Display With Wireless Communication Module
	3029729	CA	Antenna Designs For Wearable Heads-Up Displays
	62/609,607	US	Wearable Heads-Up Display With Wireless Communication Module
	16/231,332	US	Wearable Heads-Up Displays With Antennas And Antennas For Same
	PCT/CA2019/050044	WO	Antenna Designs For Wearable Heads-Up Displays
	62/609,681	US	Wearable Heads-Up Display With Wireless Communication Module And Projector Arrangement
	16/231,270	US	Wearable Heads-Up Displays Employing A Core Wire Communicatively Coupled To A Radio As An Antenna
	62/670,200	US	Antenna Designs For Wearable Heads-Up Displays
	16/231,271	US	Wearable Heads-Up Displays Employing A Core Wire Communicatively Coupled To A Radio As An Antenna
	62/690,280	US	Wearable Heads-Up Displays With Antennas And Antennas For Same
	16/231,273	US	Wearable Heads-Up Displays Employing A Core Wire Communicatively Coupled To A Radio As An Antenna
	62/695,591	US	Wearable Heads-Up Displays Employing A Core Wire Communicatively Coupled To A Radio As An Antenna
	16/231,275	US	Antenna Designs For Wearable Heads-Up Displays
	16/231,279	US	Antenna Designs For Wearable Heads-Up Displays
	16/130,829	US	Systems, Devices, And Methods For Reducing Bulk And Balancing Weight In Wearable Heads-Up Displays
	62/632,785	US	Laser Eye Tracking System And Method And Wearable Heads-Up Display Including The Same
	16/269,385	US	Eye Tracking System And Method, Eyeglass Lens, And Wearable Heads-Up Display
	62/658,431	US	Method And System For Eye Tracking In Wearable Heads-Up Display
	16/376,319	US	Method And System For Eye Tracking With Glint Space Recalibration On Wearable Heads-Up Display
I628502	102128057	TW	Projection Device And A Method Of Manufacturing A Projection Device
9,523,905	14/417,018	US	Projection Device And A Method Of Manufacturing A Projection Device
10,182,217	15/384,183	US	Projection Device And A Method Of Manufacturing A Projection Device

10,499,023	16/238,408	US	Projection Device And A Method Of Manufacturing A Projection Device
	PCT/EP2012/065318	WO	A Projection Device And A Method Of Manufacturing A Projection Device
	62/658,434	US	Method And System For Eye Tracking In Wearable Heads-Up Display
	16/376,674	US	Method And System Of Eye Tracking With Glint Drift Correction On Wearable Heads-Up Display
	62/641,055	US	Alignment Methods For Laser Diodes
10,673,203	16/296,779	US	Alignment Methods For Laser Diodes
	62/631,278	US	Systems, Devices, And Methods For Side Lobe Control In Holograms
	16/276,029	US	Systems, Devices, And Methods For Side Lobe Control In Holograms
	62/664,758	US	Systems, Devices, And Methods For Side Lobe Control In Holograms
	16/276,038	US	Systems, Devices, And Methods For Side Lobe Control In Holograms
	16/276,051	US	Systems, Devices, And Methods For Side Lobe Control In Holograms
	62/634,654	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
	16/282,960	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
	62/637,058	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Display
	16/290,519	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Display
	62/680,449	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Display
	62/637,059	US	Systems, Devices, And Methods For Controlled Hologram Playback Shifting
	16/290,645	US	Systems, Devices, And Methods For Controllable Hologram Playback Shifting
	62/702,657	US	Systems, Devices, And Methods For Controllable Hologram Playback Shifting
	62/655,640	US	Systems, Devices, And Methods To Establish Encrypted Communications Between Wearable Electronic Devices
	16/380,204	US	Systems, Devices, And Methods To Establish Encrypted Communications Between Wearable Electronic Devices
	62/642,490	US	Wearable Electronic Device Having A Removable Control Module

	16/351,352	US	Wearable Electronic Device Having A Removable Control Module
	62/660,668	US	Articulated Temple For Eyewear
	16/382,638	US	Articulated Temple For Eyewear
	62/658,436	US	Method And System For Eye Tracking In Wearable Heads-Up Display
	16/376,604	US	Method And System For Dual Mode Eye Tracking On Wearable Heads-Up Display
CN104145203	201380013164	CN	A Method Of Manufacturing A Mems Micro-Mirror Assembly
	61/608,434	US	Mems Micro-Mirror Assembly
SG11201405398W	11201405398W	SG	Mems Micro-Mirror Assembly
9,323,047	14/382,734	US	Method Of Manufacturing A Mems Micro-Mirror Assembly
	PCT/EP2013/053483	WO	A Method Of Manufacturing A Mems Micro-Mirror Assembly
	15/225,628	US	Mems Micro-Mirror Assembly
EP2823695	602013045497	DE	A Mems Micro-Mirror Assembly
EP2823695	13703592.9	EP	A Mems Micro-Mirror Assembly
EP2823695	13703592.9	GB	A Mems Micro-Mirror Assembly
EP2823695	13703592.9	HU	A Mems Micro-Mirror Assembly
EP2823695	13703592.9	MK	A Mems Micro-Mirror Assembly
EP2823695	13703592.9	NL	A Mems Micro-Mirror Assembly
9,405,116	14/382,724	US	Mems Micro-Mirror Assembly
	PCT/EP2013/052682	WO	A Mems Micro-Mirror Assembly
	62/667,300	US	Systems, Devices, And Methods For A Wearable Electronic Device Having A Selfie Camera
	16/402,593	US	Systems, Devices, And Methods For A Wearable Electronic Device Having A Selfie Camera
	62/671,248	US	Wearable Electronic Devices Having A Rotatable Input Structure
	16/409,949	US	Wearable Electronic Devices Having A Rotatable Input Structure
	62/676,611	US	Method And System For Dynamically Generating Scene-Based Display Content On A Wearable Heads-Up Display
	16/409,974	US	Method And System For Dynamically Generating Scene-Based Display Content On A Wearable Heads-Up Display
	62/680,273	US	Edge Detection Circuit And Detection Of Features On Illuminated Eye Using The Same

	16/410,018	US	Edge Detection Circuit And Detection Of Features On Illuminated Eye Using The Same
	62/699,492	US	Systems, Devices, And Methods For Laser Projection In Wearable Heads-Up Displays
	16/508,850	US	Systems, Devices, And Methods For Laser Projection In Wearable Heads-Up Displays
	62/725,514	US	Systems, Devices, And Methods For Interactive Visual Displays
	16/556,777	US	Systems, Devices, And Methods For Interactive Visual Displays
	62/680,969	US	Method And System For Authenticating A User On A Wearable Heads-Up Display
	16/412,520	US	Method And System For Authenticating A User On A Wearable Heads-Up Display
	62/685,181	US	Method Of Dynamically Adjusting Display Luminance In Wearable Heads-Up Displays
	16/412,542	US	Method Of Dynamically Adjusting Display Luminance In Wearable Heads-Up Displays
	62/692,484	US	Systems, Devices, And Methods For Generating Conversation Starter Messages
	16/456,455	US	Systems, Devices, And Methods For Generating Messages
	62/690,286	US	Private Eye-To-Eye Communications With Wearable Heads Up Display
	16/450,152	US	Private Eye-To-Eye Communications With Wearable Heads Up Display
CN102844263	201080049053	CN	Electromagnetically Actuated Microshutter
FR2951713	957543	FR	Micro-Volet A Actionnement Electromagnetique
JP5663590	2012-535903	JP	Electromagnetically Actuated Microshutter
9,025,229	13/504,760	US	Electromagnetically Actuated Microshutter
9,212,047	14/536,234	US	Electromagnetically Actuated Microshutter
	14/968,542	US	Electromagnetically Actuated Microshutter
	PCT/FR2010/052301	WO	Electromagnetically Actuated Micro-Shutter
	62/730,423	US	Methods And Systems For Fitting Heads-Up Display To User
	16/567,204	US	Methods And Systems For Fitting Heads-Up Display To User
	62/691,507	US	Wearable Electronic Devices Having User Interface Mirroring Based On Device Position
	16/451,528	US	Wearable Electronic Devices Having User Interface Mirroring Based On Device Position
	62/702,756	US	Method And System For Calibrating A Wearable Heads-Up Display Having Multiple Exit Pupils

	16/412,574	US	Method And System For Calibrating A Wearable Heads-Up Display Having Multiple Exit Pupils
	62/714,489	US	Systems, Devices, And Methods For Notification Management
	16/527,540	US	Systems, Devices, And Methods For Notification Management
	62/782,921	US	Systems, Devices, And Methods For Assisting Human-To-Human Interactions
	16/713,828	US	Systems, Devices, And Methods For Assisting Human-To-Human Interactions
	62/725,949	US	Method And System For Calibrating A Wearable Heads-Up Display To Produce Aligned Virtual Images In An Eye Space
	16/550,500	US	Method And System For Calibrating A Wearable Heads-Up Display To Produce Aligned Virtual Images In An Eye Space
	3051219	CA	Delegated Communication Methods And Systems For A Wearable Device
	62/716,177	US	Delegated Communication Methods And Systems For A Wearable Device
	16/508,954	US	Delegated Communication Methods And Systems For A Wearable Device
	62/718,228	US	Wireless Personal Area Network Coupling Methods And Systems
	16/515,161	US	Wireless Personal Area Network Coupling Methods And Systems
	62/716,180	US	Wearable Device Control And Networking System
	16/508,649	US	Delegated Communication Methods And Systems For A Wearable Device
	62/716,175	US	Delegated Network Access System For A Wearable Device
	62/716,172	US	Delegated Communication Methods And Systems For A Wearable Device
	3055901	CA	Portable Dual-Device Charger System
	62/733,243	US	Portable Dual-Device Charger System
	16/573,483	US	Portable Dual-Device Charger System
	62/754,311	US	Systems And Devices For Connecting Parts Of A Glasses Frame
	16/668,149	US	Systems And Devices For Connecting Parts Of A Glasses Frame
	62/746,345	US	Optical Systems And Devices For Monitoring A Light Signal

	16/598,578	US	Optical Systems And Devices For Monitoring A Light Signal
	9781345.5	EP	Optical Micro-Projection System And Projection Method
	2012-521979	JP	Optical Micro-Projection System And Projection Method
9,004,698	13/358,269	US	Optical Micro-Projection System And Projection Method
9,374,566	14/681,661	US	Optical Micro-Projection System And Projection Method
9,912,923	15/187,691	US	Optical Micro-Projection System And Projection Method
10,397,535	15/911,498	US	Optical Micro-Projection System And Projection Method
	PCT/EP2009/059937	WO	Optical Micro-Projection System And Projection Method
	62/730,323	US	Systems, Devices, And Methods For Detecting Ambient Light In Wearable Heads-Up Displays
	16/568,532	US	Systems, Devices, And Methods For Detecting Ambient Light In Wearable Heads-Up Displays
	14/977,469	US	Two-Dimensional Piecewise Approximation To Compress Image Warping Fields
10,540,743	16/290,201	US	Two-Dimensional Piecewise Approximation To Compress Image Warping Fields
	PCT/US2016/63197	WO	Two-Dimensional Piecewise Approximation To Compress Image Warping Fields
10,553,007	16/167,002	US	Systems, Devices, And Methods For Displaying Visual Symbols
10,438,391	16/167,013	US	Systems, Devices, And Methods For Displaying Visual Symbols
10,430,980	16/167,018	US	Systems, Devices, And Methods For Displaying Visual Symbols
	62/750,091	US	Systems, Devices, And Methods For Aligning A Lens In A Laser Projector
	16/661,185	US	Systems, Devices, And Methods For Aligning A Lens In A Laser Projector
	62/734,798	US	Optical Combiner Lens For Wearable Heads-Up Display
	16/576,322	US	Optical Combiner Lens For Wearable Heads-Up Display
	PCT/CA2019/051333	WO	Optical Combiner Lens For Wearable Heads-Up Display
	62/732,896	US	Systems, Devices, And Methods For Exit Pupil Expansion In A Curved Lens With Embedded Light Guide
	16/574,452	US	Systems, Devices, And Methods For Exit Pupil Expansion In A Curved Lens With Embedded Light Guide
	62/750,060	US	Systems, Devices, And Methods For Controlling Operation Of Wearable Displays During Vehicle Operation

	16/661,278	US	Systems, Devices, And Methods For Controlling Operation Of Wearable Displays During Vehicle Operation
	62/744,282	US	Wearable Electronic Systems Having Variable Interactions Based On Device Orientation
	16/596,035	US	Wearable Electronic Systems Having Variable Interactions Based On Device Orientation
	62/740,167	US	Dual Protocol Personal Area Network Server
	16/587,640	US	Systems, Devices, And Methods Of Wireless Communication For Wearable Computing Devices
	62/740,170	US	Wearable Device Cloud Authentication
	16/590,731	US	Wearable Device Cloud Authentication
	201680052808	CN	Adjustable Pupil Distance Wearable Display
	112016004663	DE	Adjustable Pupil Distance Wearable Display
	62/240,395	US	Adjustable Pupil Distance Wearable Display
10,437,071	14/931,497	US	Adjustable Pupil Distance Wearable Display
10,409,076	15/473,539	US	Adjustable Pupil Distance Wearable Display
	PCT/US2016/055049	WO	Adjustable Pupil Distance Wearable Display
	62/740,176	US	Cloud-Based Microservices System
	16/590,787	US	Cloud-Based Microservices System
	62/740,178	US	Efficient Cloud-Based Data Transfers With A Wearable Computing Device
	16/590,842	US	Efficient Cloud-Based Data Transfers With A Wearable Computing Device
	62/740,183	US	Staging Software Update System For Wearable Computing Device
	16/590,898	US	Staging Software Update System For Wearable Computing Device
	62/740,188	US	Data Logging From A Wearable Computing Device
	16/590,940	US	Data Logging From A Wearable Computing Device
	62/740,702	US	Wearable Computing Device Networking System
	16/591,721	US	Wearable Computing Device Networking System
	62/740,703	US	Power Management Systems And Methods For A Communication Interface In A Wearable Computing Device
	16/591,756	US	Power Management Systems And Methods For A Wearable Computing Device
	62/740,705	US	Power Management Systems And Methods For A Display In A Wearable Computing Device
	62/740,706	US	Power Management Systems And Methods For Sensors In A Wearable Computing Device

	62/770,561	US	Optical Transmission Hinge
	16/688,458	US	Optical Transmission Hinge
	62/754,307	US	Eye Tracking Method And System And Integration Of The Same With Wearable Heads-Up Displays
	16/668,677	US	Eye Tracking Method And System And Integration Of The Same With Wearable Heads-Up Displays
	62/740,707	US	Systems And Methods For Communication Between A Wearable Device And A Remote Device
	16/591,769	US	Systems And Methods For Communication Between A Wearable Device And A Remote Device
	62/740,708	US	Systems And Methods For Wirelessly Coupling A Wearable Computing Device
	16/591,796	US	Systems And Methods For Wirelessly Coupling A Wearable Computing Device
	62/741,099	US	Systems And Methods For Wirelessly Coupling A Wearable Computing Device
EP3008507	14771528.8	AT	An Image Projector And Optical Assembly
EP3008507	14771528.8	BE	An Image Projector And Optical Assembly
EP3008507	14771528.8	CH	An Image Projector And Optical Assembly
CN105579883	201480023303	CN	An Image Projector And Optical Assembly
EP3008507	602014057126	DE	An Image Projector And Optical Assembly
EP3008507	14771528.8	EP	An Image Projector And Optical Assembly
EP3008507	14771528.8	FR	An Image Projector And Optical Assembly
EP3008507	14771528.8	GB	An Image Projector And Optical Assembly
EP3008507	14771528.8	HU	An Image Projector And Optical Assembly
EP3008507	14771528.8	IE	An Image Projector And Optical Assembly
EP3008507	14771528.8	IT	An Image Projector And Optical Assembly
JP6124385	2016-546153	JP	An Image Projector And Optical Assembly
KR101771912	10-2015-7025311	KR	An Image Projector And Optical Assembly
EP3008507	14771528.8	LI	An Image Projector And Optical Assembly
EP3008507	14771528.8	LU	An Image Projector And Optical Assembly
EP3008507	14771528.8	MC	An Image Projector And Optical Assembly
EP3008507	14771528.8	MK	An Image Projector And Optical Assembly
EP3008507	14771528.8	MT	An Image Projector And Optical Assembly
EP3008507	14771528.8	PL	An Image Projector And Optical Assembly
EP3008507	14771528.8	SI	An Image Projector And Optical Assembly
EP3008507	14771528.8	TR	An Image Projector And Optical Assembly
TWI585459	104129209	TW	An Image Projector And Optical Assembly
9,817,242	14/774,686	US	An Image Projector And Optical Assembly

	15/810,615	US	An Image Projector And Optical Assembly
	PCT/EP2014/068947	WO	An Image Projector And Optical Assembly
	62/741,110	US	User Interface Systems And Methods For A Wearable Computing Device
	16/592,920	US	User Interface Systems And Methods For A Wearable Computing Device
	62/743,325	US	Systems And Methods For Real-Time Services Provision To A Wearable Computing Device
	16/594,430	US	Systems And Methods For Real-Time Services Provision To A Wearable Computing Device
	62/743,329	US	Systems And Methods For Data Logging From A Wearable Computing Device
	16/594,514	US	Systems And Methods For Data Logging From A Wearable Computing Device
	62/743,332	US	Systems And Methods For Configuring A Limited-Input Device
	16/594,568	US	Systems And Methods For Configuring A Limited-Input Device
	62/773,855	US	System And Method For Illuminating An Eye With Infrared Light For Eye Tracking
	16/699,263	US	Infrared Illuminator And Related Eye Tracking Apparatus And Method
	62/802,122	US	Systems, Devices, And Methods For Increasing Resolution In Wearable Heads-Up Displays
	16/749,439	US	Systems, Devices, And Methods For Increasing Resolution In Wearable Heads-Up Displays
	62/755,206	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	16/670,284	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	3063385	CA	Augmented Image Generation Using Virtual Content From Wearable Heads Up Display
	62/773,851	US	Augmented Image Generation Using Virtual Content From Wearable Heads Up Display
	16/700,255	US	Augmented Image Generation Using Virtual Content From Wearable Heads Up Display
	62/782,923	US	Optical Combiner Lens With Reflective Optical Coating To Guide Light Across A Seal
	16/713,230	US	Optical Combiner Lens With Reflective Optical Coating To Guide Light Across A Seal
	62/791,514	US	Systems, Devices, And Methods For Light Guide Based Wearable Heads-Up Displays
	16/737,255	US	Displays And Methods Of Operating Thereof

	62/846,979	US	Single Rgb Combiner With Large Field Of View
	16/738,100	US	Single Rgb Combiner With Large Field Of View
	62/904,742	US	Displays And Methods Of Operating Thereof
	16/738,074	US	Displays And Methods Of Operating Thereof
	62/910,124	US	Displays And Methods Of Operating Thereof
	16/738,056	US	Displays And Methods Of Operating Thereof
	62/943,381	US	Optical Elements And Methods Of Making The Same
	16/738,230	US	Optical Elements And Methods Of Making The Same
	62/946,705	US	Optical Elements For Displays
	16/737,322	US	Optical Elements For Displays
	16/738,206	US	Systems, Devices, And Methods For Light Guide Based Wearable Heads-Up Displays
9,285,668	13/706,142	US	Mems Micro-Mirror Device
	15/069,281	US	Mems Micro-Mirror Device
	PCT/EP2010/059386	WO	A Mems Micro-Mirror Device
	29/551,014	US	Eyeglass Frames
	29/589,787	US	Eyeglass Frames
D842369	29/631,505	US	Eyeglass Frame
	29/581,390	US	Eyeglass Frame
D855691	29/629,792	US	Eyeglass Frame
CA179302	179302	CA	Finger-Worn Input Device
D844599	29/611,473	US	Finger-Worn Input Device
		EP	Finger Ring
JPD1617057	D2018-1025	JP	Finger-Worn Input Device
KR300990165	30-2018-0003404	KR	Finger Ring
CA179301	179301	CA	Eyeglass Frame
	29/611,527	US	Eyeglass Frame
		EP	Eyeglass Frame
JPD1613278	D2018-1026	JP	Eyeglass Frame
KR300984780	30-2018-0003405	KR	Eyeglass Frame
D844600	29/628,377	US	Finger-Worn Input Device
	62/754,339	US	Optical Combiner Lens For Wearable Heads-Up Display
	16/671,312	US	Optical Combiner Lens With Spacers Between Lens And Lightguide
	62/782,918	US	Optical Combiner Lens For Wearable Heads-Up Display
	16/671,373	US	Double Lens Optical Combiner Lens With Spacers Between Lens And Lightguide

	62/845,956	US	Optical Combiner Lens Incorporating Spacers Between Lens And Lightguide
	62/789,908	US	Optical Combiner Lens Incorporating Spacers Between Lens And Lightguide
	16/671,415	US	Optical Combiner Lens With Lightguide And Spacers Embedded In Lens
	62/835,578	US	Systems, Devices, And Methods For An Infrared Emitting Display
	16/850,550	US	Systems, Devices, And Methods For An Infrared Emitting Display
	62/810,569	US	Systems, Devices, And Methods For Aligning A Diffractive Element In A Wearable Heads-Up Display
	16/742,467	US	Systems, Devices, And Methods For Aligning A Diffractive Element In A Wearable Heads-Up Display
	63/001,769	US	Augmented Reality Systems And Methods
	63/009,006	US	Augmented Reality Systems And Methods
	62/809,025	US	Methods And Systems To Generate Laser Light
	16/796,294	US	Methods And Systems To Generate Laser Light
	1120151132398-7	BR	Method And Device For Projecting An Image With Improved Safety
CN105874787	201380078516	CN	A Method And Device For Projecting An Image With Improved Safety
	602013034688	DE	A Method And Device For Projecting An Image With Improved Safety
EP3014876	13732144.4	EP	A Method And Device For Projecting An Image With Improved Safety
	13732144.4	GB	A Method And Device For Projecting An Image With Improved Safety
	7742/CHENP/2015	IN	A Method And Device For Projecting An Image With Improved Safety
JP6194110	2016-522281	JP	A Method And Device For Projecting An Image With Improved Safety
KR101774351	10-2015-7036571	KR	A Method And Device For Projecting An Image With Improved Safety
EP3014876	13732144.4	NL	A Method And Device For Projecting An Image With Improved Safety
RU2630714	20150156202	RU	A Method And Device For Projecting An Image With Improved Safety
9,787,959	14/901,004	US	A Method For Reducing Speckle Effect
10,271,027	15/727,836	US	Method And Device For Projecting An Image With Improved Safety
	PCT/EP2013/063419	WO	A Method And Device For Projecting An Image With Improved Safety

JP6535833	2017-156180	JP	A Method And Device For Projecting An Image With Improved Safety
	62/864,061	US	Methods And Systems To Pre-Warp And Image
	16/904,788	US	Methods And Systems To Pre-Warp And Image
	62/861,602	US	Systems And Methods For Detecting Environmental Occlusion In A Wearable Computing Device Display
	16/900,099	US	Systems And Methods For Detecting Environmental Occlusion In A Wearable Computing Device Display
	62/804,522	US	Systems And Methods For Determining An Ear Saddle Point Of A User To Produce Specifications To Fit A Wearable Apparatus To The User'S Head
	16/787,298	US	Systems And Methods For Determining An Ear Saddle Point Of A User To Produce Specifications To Fit A Wearable Apparatus To The User'S Head
	62/805,615	US	Wearable Antenna And Wearable Device
	16/789,886	US	Wearable Antenna And Wearable Device
	62/817,666	US	Method And System For Pervasive Memory Augmentation Via A Heads-Up Display
	16/810,323	US	Method And System For Pervasive Memory Augmentation Via A Heads-Up Display
	62/808,655	US	Devices To Generate Light
	16/796,141	US	Devices To Generate Light
	62/814,565	US	Methods And Systems For Aligning A Component
	16/782,230	US	Methods And Systems For Aligning A Component
	62/837,764	US	Combiner Lens And Method Of Making Thereof
	16/856,353	US	Combiner Lens And Method Of Making Thereof
	62/850,598	US	Methods And Systems To Track A Gaze Of An Eye
	16/879,047	US	Methods And Systems To Track A Gaze Of An Eye
	62/860,309	US	Combiner Lens Fault Detection System
	16/898,773	US	Combiner Lens Fault Detection System
CN104955766	201280077991	CN	Mems Device
9,819,253	14/438,315	US	A Mems Device Dispositif Mems
	15/812,779	US	Mems Device
	PCT/EP2012/071144	WO	A Mems Device
	62/862,355	US	Systems, Devices, And Methods For Electrical Pathways Between Components In Wearable Heads-Up Displays
	16/897,799	US	Systems, Devices, And Methods For Electrical Pathways Between Components In Wearable Heads-Up Displays
	62/863,935	US	Systems, Devices, And Methods For Driving Projectors

	16/906,314	US	Systems, Devices, And Methods For Driving Projectors
	29/658,343	US	Eyeglass Frame
	29/658,494	US	Eyeglass Frame
	29/658,344	US	Eyeglass Frame
	29/628,380	US	Case
	29/628,691	US	Graphical User Interface Of A Wearable Device
	29/630,727	US	Glasses
	62/959,417	US	Optical Elements For Displays
	62/959,436	US	Optical Elements For Displays
	201680052734	CN	For Mems Mirror Scanning Motor Design
	112016004662	DE	Electro-Mechanical Designs For Mems Scanning Mirror
	62/240,490	US	Electro-Mechanical Designs For Mems Scanning Mirrors
5/24/29033	14/977,457	US	Electro-Mechanical Designs For Mems Scanning Mirrors
3/11/31210	15/911,489	US	Electro-Mechanical Designs For Mems Scanning Mirrors
	PCT/US2016/055052	WO	Electro-Mechanical Designs For Mems Scanning Mirror
	63/004,614	US	Systems To Spatially Modulate Light And Methods Of Operating Thereof
	63/004,616	US	Systems To Spatially Modulate Light And Methods Of Operating Thereof
	62/878,840	US	Method And System For Automatic Pupil Detection
	62/888,129	US	Waveguides And Methods Of Manufacturing Waveguides
	62/890,269	US	Systems, Devices, And Methods For Stabilizing Display Components In Wearable Heads-Up Displays
	62/895,721	US	Optical Combiner And Combiner Lens With Lightguide Failure Mitigation Mechanism
	62/897,690	US	Method And System For Projecting An Image Within An Eye Safety Limit
	62/898,158	US	Methods And Media For Recording Holograms
	62/913,825	US	Wearable Heads-Up Display With Optical Path Fault Detection
	62/916,297	US	Systems, Devices, And Methods For Directing Display Light In Wearable Heads-Up Displays
9,128,363	13/638,264	US	Micro-Projection Device With Antispeckle Vibration Mode
10,401,640	14/833,959	US	Micro-Projection Device With Anti-Speckle Vibration Mode

	PCT/EP2010/055761	WO	Micro-Projection Device With Anti-Speckle Vibration Mode
	62/916,527	US	Systems, Devices And Methods For Remote Access Smartphone Services
	62/931,363	US	Optical Combiners With Improved Efficiency And Uniformity
	62/936,803	US	Systems And Devices For Controlling Camera Privacy In Wearable Devices
	62/969,217	US	Wearable Heads-Up Displays
	62/969,699	US	Systems, Devices, And Methods For Directing And Managing Image Data From A Camera In Wearable Devices
	62/991,133	US	Multi-Focal Optics For Wearable Heads-Up Displays
	63/003,553	US	Communication Methods And Systems
	63/003,561	US	Optical Systems
	63/004,106	US	Optical Devices And Methods Of Making Thereof
	63/008,890	US	Wearable Devices And Methods Of Operating Thereof
10,539,925	15/394,416	US	Techniques For Processing Holographic Recording Media
	63/010,273	US	Systems, Devices, And Methods For Laser Safety In Wearable Heads-Up Displays
	63/013,101	US	Systems, Devices, And Methods For Controlling Displays
	63/015,939	US	Systems, Devices, And Methods For Inputting Light From A Scanning Laser Projector Into A Lightguide
	63/037,082	US	Systems, Devices, And Methods For Assembling Image Data For Display
	63/006,260	US	Wearable Heads-Up Displays And Methods Of Operating Thereof
	62/672,320	US	Systems, Devices, And Methods For Creating Darkened Regions On Transparent Displays
9,496,682	14/653,186	US	A Laser Driver And Method Of Operating A Laser
	PCT/EP2012/075962	WO	A Laser Driver And Method Of Operating A Laser
	15/201,353	US	Image Alignment In Head Worn Display
	PCT/US2017/035633	WO	Image Alignment In Head Worn Display
	201680052819.X	CN	For Mems Mirror Projection Display Without Expectation Of Harmonic Suppression
	112016004663	DE	Suppression Of Undesired Harmonics In Mems Mirror Projector Display
	62/240,384	US	Suppression Of Undesired Harmonics In Mems Mirror Projector Display

9,784,967	14/977,511	US	Suppression Of Undesired Harmonics In Mems Mirror Projector Display
	PCT/US2016/055054	WO	Suppression Of Undesired Harmonics In Mems Mirror Projector Display
	15/727,846	US	Suppression Of Undesired Harmonics In Mems Mirror Projector Display
	15821837	EP	Lighting Arrangement
TWI577924	104122555	TW	Lighting Arrangement
10,471,467	14/335,641	US	Lighting Arrangement
	PCT/US2015/040857	WO	Lighting Arrangement
CN106662740	201580044384.X	CN	Compact Illumination System
	15841834.3	EP	Compact Illumination System
JP6615867	2017-507382	JP	Compact Illumination System
	10-2017-7004259	KR	Compact Illumination System
9,507,143	14/491,012	US	Compact Illumination System
	15/362,770	US	Compact Illumination System
	PCT/US2015/050896	WO	Compact Illumination System
	201480029891	CN	Method And Apparatus For Head Worn Display With Multiple Exit Pupils
EP2979128	602014016270	DE	Method And Device For Head-Mounted Display With Multiple Exit Pupils
EP2979128	14724151.7	EP	Method For Displaying An Image Projected From A Head- Worn Display With Multiple Exit Pupils
EP2979128	14724151.7	GB	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
JP6449236	2016-504806	JP	Method And Apparatus For Multi-Exit Pupil Head-Mounted Display
	10-2015-7026864	KR	Method For Displaying An Image Projected From A Head- Worn Display With Multiple Exit Pupils
EP2979128	14724151.7	NL	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
9,846,307	14/780,108	US	Method And Apparatus For Head Worn Display With Multiple Exit Pupils
10,254,547	15/498,354	US	Method And Apparatus For Head Worn Display With Multiple Exit Pupils
	PCT/IB2013/052347	WO	Method And Apparatus For Head Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	AT	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	BE	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils

EP3296797	17198048.5	CH	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	602014056623	DE	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	EP	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	FR	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	GB	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	HU	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	IE	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	IT	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	LI	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	LU	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	MC	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	MK	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	MT	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	SI	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
EP3296797	17198048.5	TR	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
	PCT/IB2013/060218	WO	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
	PCT/IB2014/060134	WO	Method For Displaying An Image Projected From A Head-Worn Display With Multiple Exit Pupils
	15/390,346	US	Microelectromechanical System Over-Scanning For Pupil Distance Compensation
10,672,310	16/245,753	US	Microelectromechanical System Over-Scanning For Pupil Distance Compensation
	2013-506500	JP	A Projection System
8,998,424	13/638,279	US	Micro-Projection Device With Antis-Peckle Imaging Mode
	PCT/EP2010/055763	WO	Micro-Projection Device With Antis-Peckle Imaging Mode

	201580051197	CN	Anti-Moire Pattern Diffuser For Optical Systems
	15852310	EP	Anti-Moiré Pattern Diffuser For Optical Systems Cross-Reference To Related Applications
	2017-512725	JP	Anti-Moiré Pattern Diffuser For Optical Systems Cross- Reference To Related Applications
	10-2017-7007564	KR	Anti-Moiré Pattern Diffuser For Optical Systems
	62/067,352	US	Anti-Moire Pattern Diffuser For Optical Systems
TWI617841	104134549	TW	Anti-Moiré Optical System`
9,927,560	14/920,437	US	Anti-Moiré Pattern Diffuser For Optical Systems Cross- Reference To Related Applications
	15/933,943	US	Anti-Moiré Pattern Diffuser For Optical Systems
	PCT/US2015/056952	WO	Anti-Moire Pattern Diffuser For Optical Systems
EP2761358	11763948.4	AT	Mems Oscillator
EP2761358	11763948.4	BE	Mems Oscillator
EP2761358	11763948.4	CH	Mems Oscillator
EP2761358	602011063204	DE	Mems Oscillator
EP2761358	11763948.4	EP	Mems Oscillator
EP2761358	11763948.4	FR	Mems Oscillator
EP2761358	11763948.4	GB	Mems Oscillator
EP2761358	11763948.4	HU	Mems Oscillator
EP2761358	11763948.4	IE	Mems Oscillator
EP2761358	11763948.4	IT	Mems Oscillator
EP2761358	11763948.4	LI	Mems Oscillator
EP2761358	11763948.4	LU	Mems Oscillator
EP2761358	11763948.4	MC	Mems Oscillator
EP2761358	11763948.4	MK	Mems Oscillator
EP2761358	11763948.4	MT	Mems Oscillator
EP2761358	11763948.4	SI	Mems Oscillator
EP2761358	11763948.4	TR	Mems Oscillator
9,203,414	14/347,889	US	Mems Oscillator
	14/850,858	US	Mems Oscillator
	PCT/EP2011/067198	WO	Mems Oscillator
9,798,136	15/024,740	US	A Method For Controlling The Position Of A Mems Mirror
10,539,780	15/790,265	US	Method For Controlling The Position Of A Mems Mirror
	PCT/EP2013/070840	WO	A Method For Controlling The Position Of A Mems Mirror
	201580056959	CN	Adjustable Focal Plane Optical System
	15861520.3	EP	Adjustable Focal Plane Optical System

	2017-521234	JP	Adjustable Focal Plane Optical System
	10-2017-7013308	KR	Adjustable Focal Plane Optical System
	62/082,571	US	Adjustable Focal Plane Optical System
TWI588535	104138338	TW	Adjustable Focal Plane Optical System
10,409,082	14/947,970	US	Adjustable Focal Plane Optical System
	PCT/US2015/061968	WO	Adjustable Focal Plane Optical System
	10751682.5	EP	A Method And Device For Projecting An Image
	2013CHEN01750	IN	A Device For Projecting An Image
KR101713366	10-2013-7005659	KR	A Method And Device For Projecting An Image
9,712,812	13/782,129	US	Method And Device For Projecting An Image
	15/651,257	US	Method And Device For Projecting An Image
10,390,006	15/959,904	US	Method And Device For Projecting A 3-D Viewable Image
	PCT/EP2010/063327	WO	A Method And Device For Projecting An Image
9,164,368	13/782,179	US	Method And Device For Projecting A 3-D Viewable Image
9,955,149	14/789,831	US	Method And Device For Projecting A 3-D Viewable Image
	PCT/EP2011/065039	WO	A Method And Device For Projecting A 3-D Viewable Image
	11752214.4	EP	A Device For Projecting An Image
9,786,230	13/782,509	US	Device For Projecting An Image
10,210,818	15/729,484	US	Device For Projecting An Image
10,672,349	16/248,366	US	Device For Project An Image
	PCT/EP2011/065184	WO	A Device For Projecting An Image
	15/727,854	US	Device For Projecting An Image
	201810180908	CN	Head-Worn Display Apparatus Having Flexible Stems
	102018204574	DE	Am Kopf Getragene Anzeigevorrichtung Mit Flexiblen Bügeln
	10-2018-0038154	KR	Head-Worn Display Apparatus Having Flexible Stems
10,444,516	15/480,036	US	Head-Worn Display Apparatus Having Flexible Stems
	201580056966.X	CN	Virtual Image Generator
	15860080.9	EP	Mirror Device Dispositif De Miroir
JP6681887	2017-521224	JP	Virtual Image Generator
	10-2017-7013304	KR	Virtual Image Generator
	62/082,575	US	Method And System For Generating Virtual Images
TWI688789	104138337	TW	Method And System For Generating Virtual Images
10,419,731	14/947,938	US	Virtual Image Generator
	PCT/US2015/061965	WO	Virtual Image Generator

	11749420.3	EP	A Device And Method For Projecting An Image
10,229,482	14/240,624	US	Device And Method For Projecting An Image
	16/264,082	US	A Device And Method For Projecting An Image
	PCT/EP2011/064953	WO	A Device And Method For Projecting An Image
10,250,861	15/026,553	US	Methods And Devices For Detecting Open And/Or Shorts Circuits In Mems Micro-Mirror Devices
	16/297,151	US	Methods And Devices For Detecting Open And/Or Shorts Circuits In Mems Micro-Mirror Devices
	PCT/EP2013/074432	WO	Methods And Devices For Detecting Open And/Or Shorts Circuits In Mems Micro-Mirror Devices
	00788/14	CH	Support De Laser Pour La Fixation D'Un Laser À Semiconducteur, Et Montage D'Un Élément Laser Dans Un Tel Support.
10,483,715	14/732,528	US	Laser Support For Semiconductor Laser Fixation And Laser Support Element Assembly
EP2534523	10703065.2	DE	Method And Apparatus For Controlling A Mems Micro-Mirror Device
EP2534523	10703065.2	EP	Method And Apparatus For Controlling A Mems Micro-Mirror Device
EP2534523	10703065.2	FR	Method And Apparatus For Controlling A Mems Micro-Mirror Device
EP2534523	10703065.2	GB	Method And Apparatus For Controlling A Mems Micro-Mirror Device
EP2534523	10703065.2	NL	Method And Apparatus For Controlling A Mems Micro-Mirror Device
	PCT/EP2010/051517	WO	Method And Apparatus For Controlling A Mems Micro-Mirror Device
	15/283,316	US	Techniques For Image Projection
	16/251,964	US	Techniques For Image Projection
	12712080.6	EP	A Reflective Device
	61/467,478	US	Reflective Device To Scan Light To Project An Image On A Display Surface
10,365,477	14/007,226	US	Reflective Device
	16/230,818	US	Reflective Device
	PCT/EP2012/054412	WO	A Reflective Device
8,864,316	13/638,217	US	Optical Mems Scanning Micro-Mirror With Speckle Reduction
	PCT/EP2010/055760	WO	Optical Mems Scanning Micro-Mirror With Speckle Reduction
	201310517987.X	CN	Method For Reducing Light Spots And Light Source Used For Method
	201910204405.X	CN	Mirror Driving Device

FR3024805	1401821	FR	Une Technique Dactionnement Dune Structure Resonante
EP2776882	12748682.7	CH	Projection Device With Telecentric Optics
EP2776882	602012010965	DE	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	EP	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	FR	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	GB	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	IE	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	LI	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	LU	Projection Apparatus Using Telecentric Optics
EP2776882	12748682.7	MT	Projection Apparatus Using Telecentric Optics
	61/557,710	US	Projection Apparatus Using Telecentric Optics
9,417,450	14/356,754	US	Projection Apparatus Using Telecentric Optics
10,215,984	15/237,332	US	Projection Apparatus Using Telecentric Optics
	PCT/EP2012/065963	WO	Projection Apparatus Using Telecentric Optics
	PCT/IB2013/050725	WO	Transflective Holographic Film For Head Worn Display
	14/763,703	US	Transflective Holographic Film For Head Worn Display
	PCT/IB2014/058487	WO	Transflective Holographic Film For Head Worn Display
9,781,499	14/672,045	US	Electronic Device With Wind Resistant Audio
	15/724,182	US	Electronic Device With Wind Resistant Audio
	201810200068	CN	Fit System For Wearable Device
	102018204925	DE	Fit System For Wearable Device
	10-2018-0037233	KR	Fit System For Wearable Device
	15/485,900	US	Fit System For Wearable Device
	15/413,961	US	Wearable Device Sar Reduction And Antenna Improvement
	16/377,710	US	Wearable Device Sar Reduction And Antenna Improvement
	PCT/US17/56510	WO	Wearable Device Sar Reduction And Antenna Improvement
10,516,199	15/417,108	US	Mobile Device With Slotted Cavity Antenna
	PCT/US18/14572	WO	Mobile Device With Slotted Cavity Antenna
	15/201,356	US	Gaze Detection In Head Worn Display
	PCT/US17/35901	WO	Gaze Detection In Head Worn Display
	61/604,993	US	Modular Heads-Up Display Systems
9,001,005	13/740,030	US	Modular Heads-Up Display Systems
	13157144	EP	Modular Heads-Up Display Systems
	61/682,675	US	Gaze Detecting Head Mounted Display System

9,069,166	13/781,386	US	Gaze Detecting Heads-Up Display Systems
	14/754,390	US	Gaze Detecting Heads-Up Display Systems
9,978,397	14/978,015	US	Wearer Voice Activity Detection
	PCT/US2016/062970	WO	Wearer Voice Activity Detection
10,289,196	15/201,364	US	Techniques For Ocular Control
	PCT/US17/36308	WO	Techniques For Ocular Control
ZL 201280026121 .2	201280026121	CN	An Optical Device
EP2716050	602012015931	DE	Optical Device
EP2716050	12718103	EP	An Optical Device
EP2716050	12718103	FR	An Optical Device
EP2716050	12718103	GB	Optical Device
JP5995214	2012-004340	JP	Optical Device
EP2716050	12718103	NL	Optical Device
	61/491,434	US	Optical Device
9,395,613	14/122,314	US	Optical Device
10,133,165	15/213,340	US	Optical Device
	16/195,052	US	Optical Device
	PCT/EP2012/056018	WO	An Optical Device
CN103238099	201080070446	CN	A Method For Projecting An Image
	10787395.2	EP	A Method For Projecting An Image
KR101839008	10-2013-7008346	KR	A Reflective Device Dispositif Réfléchissant
8,848,269	13/892,971	US	A Method For Projecting An Image
	PCT/EP2010/068609	WO	A Method For Projecting An Image
EP2294472	8805913.4	BE	Electromagnetic- Actuated Micromirror
EP2294472	8805913.4	CH	Electromagnetic-Actuated Micromirror
EP2294472	602008027038	DE	Micromirror With Electromagnetic Actuation
EP2294472	8805913.4	EP	Micromirror With Electromagnetic Actuation
EP2294472	8805913.4	FR	Micromirror With Electromagnetic Actuation
EP2294472	8805913.4	GB	Micromirror With Electromagnetic Actuation
EP2294472	8805913.4	IE	Micromirror With Electromagnetic Actuation
EP2294472	8805913.4	LI	Electromagnetic-Actuated Micromirror
EP2294472	8805913.4	LU	Micromirror With Electromagnetic Actuation
	PCT/FR2008/050970	WO	Micromirror With Electromagnetic Actuation
	201280076837	CN	Speckle Reducer Using A Beam Splitter
	12775203.8	EP	Speckle Reducer Using A Beam-Splitter
	2015-534915	JP	Speckle Reducer Using A Beam Splitter

	10-2015-7008718	KR	Speckle Reducer Using A Beam Splitter
10,310,289	14/433,581	US	Light Assembly
10,598,952	16/235,895	US	Speckle Reducer Using A Beam-Splitter
	PCT/EP2012/069591	WO	Speckle Reducer Using A Beam-Splitter
	10-2018-7027225	KR	Speckle Reducer Using A Beam-Splitter
	61/709,508	US	Optical Assembly
10,502,870	14/433,589	US	Optical Assembly
	PCT/EP2013/070574	WO	An Optical Assembly
CN105556371	201380074957	CN	A Method For Reducing Speckle
	13701420.5	EP	A Method For Reducing Speckle
JP5993099	2015-553020	JP	A Method For Reducing Speckle
KR101766565 0000	10-2015-7019840	KR	A Method For Reducing Speckle
10,073,260	14/762,449	US	Method For Reducing Speckle
	PCT/EP2013/051019	WO	A Method For Reducing Speckle
	10-2015-7032244	KR	A Projection Device
10,598,925	14/890,379	US	Projection Device
10,613,320	16/230,986	US	Projection Device
	PCT/EP2013/059723	WO	A Projection Device
	10-2017-7034794	KR	A Projection Device
	201380078440	CN	A Method For Reducing Speckle Effect
	13740267.3	EP	A Method For Reducing Speckle Effect
JP6263261	2016-528363	JP	A Method For Reducing Speckle Effect
	10-2015-7036162	KR	A Method For Reducing Speckle Effect
10,033,977	14/902,862	US	A Method For Reducing Speckle Effect
10,440,336	16/042,186	US	Method For Reducing Speckle Effect
	PCT/EP2013/065423	WO	A Method For Reducing Speckle Effect
CNZL2013800 74565.8	201380074566	CN	Mirror Driving Device
EP2944998	602013044 659.8	DE	Mirror Control Device
EP2944998	13871072.8	EP	Mirror Driving Device
EP2944998	13871072.8	FR	Mirror Drive Device
EP2944998	13871072.8	GB	Mirror Driving Device
	2013-003345	JP	Mirror Driving Device
EP2944998	13871072.8	NL	Mirror Driving Device
10,103,613	14/760,637	US	Mirror Driving Device
	PCT/JP2013/083359	WO	Mirror Driving Device
EP3029509	13890590.6	EP	Mirror Device

JP6175305	2013-160522	JP	Mirror Driving Device
	14/904,213	US	Mirror Device
	PCT/JP2013/083360	WO	Mirror Device
	2015529321	JP	Mirror Device
	2013-160589	JP	Mirror Device
	62/240,424	US	Spatially Separated Exit Pupils In A Head Mounted Display
10,338,384	14/977,420	US	Spatially Separated Exit Pupils In A Head Mounted Display
10,564,418	16/276,037	US	Spatially Separated Exit Pupils In A Head Mounted Display
	PCT/IB2016/002019	WO	Spatially Separated Exit Pupils In A Head Mounted Display
D753,654	29/501,343	US	Wearable Electronic Display Device
	62/614,282	US	Augmented Reality Eyebow Fitting Optimization For Individuals
	15/968,033	US	Augmented Reality Eyebow Fitting Optimization For Individuals
	16/985,491	US	Augmented Reality Eyebow Fitting Optimization For Individuals
10,657,856	15/857,329	US	Photosensor Systems For Lens Detection
	15/855,596	US	Methods And Apparatus To Identify Lenses Of Head-Wearable Apparatus
	61/872,569	US	Systems, Articles, And Methods For Stretchable Printed Circuit Boards
9,788,789	14/471,982	US	Systems, Articles, And Methods For Stretchable Printed Circuit Boards
	61/928,568	US	Systems, Articles, And Methods For Wearable Heads-Up Displays
	14/599,279	US	Systems, Articles, And Methods For Wearable Heads-Up Displays Employing Controllable Reflector Arrays
	2016220045	AU	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2976905	CA	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	201680021407.X	CN	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	16752991.6	EP	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2017-542849	JP	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays

	10-2017-7025953	KR	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	62/017,089	US	Systems, Articles, And Methods For Wearable Heads-Up Displays
	11201706548Q	SG	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
9,477,079	14/749,341	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
	PCT/US2016/18299	WO	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2016220044	AU	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2976903	CA	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	201680021417	CN	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	16752990.8	EP	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2017-542840	JP	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2017-7025879	KR	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	62/053,598	US	Systems, Articles, And Methods For Wearable Heads-Up Displays
	11201706546R	SG	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
9,766,449	14/749,351	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
10,067,337	15/679,837	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
10,054,788	15/679,859	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	PCT/US2016/018298	WO	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2016220134	AU	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2976898	CA	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	201680021412	CN	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	16752987.4	EP	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	2017-542839	JP	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays

	2017-7026004	KR	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	62/117,316	US	Systems, Articles, And Methods For Wearable Heads-Up Displays
	11201706545V	SG	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
9,874,744	14/749,359	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
10,012,829	15/845,384	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
	16/025,820	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
	PCT/US2016/018293	WO	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	62/242,844	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
10,031,338	15/046,234	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	16/018,477	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	16/018,986	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
10,191,283	15/046,269	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
9,989,764	15/046,254	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
9,958,682	15/147,638	US	Systems, Devices, And Methods For Splitter Optics In Wearable Heads-Up Displays
10,274,736	15/971,796	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
10,613,331	15/845,823	US	Systems, Devices, And Methods For Splitter Optics In Wearable Heads-Up Displays
	62/156,736	US	Systems, Devices, And Methods For Wearable Heads-Up Displays
10,133,075	15/145,609	US	Systems, Devices, And Methods For Angle- And Wavelength-Multiplexed Holographic Optical Elements
	16/167,023	US	Systems, Devices, And Methods For Angle- And Wavelength-Multiplexed Holographic Optical Elements
	16/167,033	US	Systems, Devices, And Methods For Angle- And Wavelength-Multiplexed Holographic Optical Elements
10,197,805	15/145,583	US	Systems, Devices, And Methods For Eyebowes With Heterogeneous Exit Pupils
10,175,488	15/145,576	US	Systems, Devices, And Methods For Spatially-Multiplexed Holographic Optical Elements

	62/085,385	US	Systems, Devices, And Methods Effected In Response To Establishing And/Or Terminating A Physical Communications Link
9,807,221	14/946,483	US	Systems, Devices, And Methods Effected In Response To Establishing And/Or Terminating A Physical Communications Link
	15/719,265	US	Systems, Devices, And Methods Effected In Response To Establishing And/Or Terminating A Physical Communications Link
	62/134,347	US	Systems, Articles, And Methods For Wearable Heads-Up Displays
	15/070,887	US	Systems, Devices, And Methods For Wearable Heads-Up Displays With Heterogeneous Display Quality
	62/136,207	US	Systems, Devices, And Methods For Mitigating False-Positives In Human-Electronics Interfaces
	15/072,918	US	Systems, Devices, And Methods For Mitigating False Positives In Human-Electronics Interfaces
	15/819,849	US	Systems, Devices, And Methods For Mitigating False Positives In Human-Electronics Interfaces
	15/819,858	US	Systems, Devices, And Methods For Mitigating False-Positives In Human-Electronics Interfaces
	15/819,869	US	Systems, Devices, And Methods For Mitigating False Positives In Human-Electronics Interfaces
	2016267275	AU	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	2984138	CA	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	201680028104	CN	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	16800815.9	EP	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	2017-561261	JP	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	10-2017-7037157	KR	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	62/167,767	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays

	11201709092V	SG	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,078,219	15/167,458	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,139,633	15/807,842	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,534,182	16/126,564	US	Optical Splitter For Integrated Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,114,222	15/807,746	US	Integrated Eye Tracking And Laser Projection Methods With Holographic Elements Of Varying Optical Powers
	PCT/US2016/034713	WO	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	62/271,135	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,078,220	15/167,472	US	Wearable Heads-Up Display With Integrated Eye Tracker
10,073,268	15/807,849	US	Display With Integrated Visible Light Eye Tracking
10,429,655	16/126,555	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,180,578	15/807,856	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
10,488,661	15/167,484	US	Systems, Devices, And Methods That Integrate Eye Tracking And Scanning Laser Projection In Wearable Heads-Up Displays
	2996721	CA	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	201680061402	CN	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	16843118.7	EP	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	2018-511672	JP	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	10-2018-7009231	KR	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	62/214,600	US	Systems, Articles, And Methods For Holographic Eyeglass Lenses

	11201801719W	SG	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	15/256,148	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
10,705,342	15/796,209	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	15/796,218	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	15/796,223	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	15/841,775	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	15/841,801	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
10,718,945	15/841,813	US	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	PCT/US2016/050225	WO	Systems, Articles, And Methods For Integrating Holographic Optical Elements With Eyeglass Lenses
	3020631	CA	Systems, Devices, And Methods For Focusing Laser Projectors
	201780036296	CN	Systems, Devices, And Methods For Focusing Laser Projectors
	17783158.3	EP	Systems, Devices, And Methods For Focusing Laser Projectors
	2018-553374	JP	Systems, Devices, And Methods For Focusing Laser Projectors
	10-2018-7032564	KR	Systems, Devices, And Methods For Focusing Laser Projectors
	62/322,128	US	Systems, Devices, And Methods For Focusing Laser Projectors
10,365,548	15/487,232	US	Systems, Devices, And Methods For Focusing Laser Projectors
10,365,549	15/837,259	US	Systems, Devices, And Methods For Focusing Laser Projectors
10,365,550	15/837,264	US	Systems, Devices, And Methods For Focusing Laser Projectors
	PCT/US2017/027479	WO	Systems, Devices, And Methods For Focusing Laser Projectors
	62/245,792	US	Systems, Devices, And Methods For Laser Eye Tracking
9,904,051	15/331,204	US	Systems, Devices, And Methods For Laser Eye Tracking
10,228,558	15/868,777	US	Systems, Devices, And Methods For Laser Eye Tracking

10,606,072	16/258,088	US	Systems, Devices, And Methods For Laser Eye Tracking
	62/261,653	US	Systems, Devices, And Methods For Wearable Heads-Up Displays As Wireless Controllers
	15/363,970	US	Systems, Devices, And Methods For Wearable Heads-Up Displays As Wireless Controllers
	15/806,045	US	Systems, Devices, And Methods For Wearable Heads-Up Displays As Wireless Controllers
	62/281,041	US	Systems, Devices, And Methods For Proximity-Based Eye Tracking
10,303,246	15/411,627	US	Systems, Devices, And Methods For Proximity-Based Eye Tracking
10,241,572	15/837,239	US	Systems, Devices, And Methods For Proximity-Based Eye Tracking
10,126,815	15/837,243	US	Systems, Devices, And Methods For Proximity-Based Eye Tracking
	62/288,947	US	Systems, Devices, And Methods For Preventing Eyebow Degradation In A Wearable Heads-Up Display
10,151,926	15/415,039	US	Systems, Devices, And Methods For Preventing Eyebow Degradation In A Wearable Heads-Up Display
10,437,067	15/837,250	US	Systems, Devices, And Methods For Preventing Eyebow Degradation In A Wearable Heads-Up Display
10,451,881	15/837,257	US	Systems, Devices, And Methods For Preventing Eyebow Degradation In A Wearable Heads-Up Display
	3007196	CA	Systems, Devices, And Methods For Interacting With Content Displayed On Head-Mounted Displays
	62/236,060	US	Systems, Devices, And Methods For Interacting With Content Displayed On Head-Mounted Displays
	15/282,535	US	Systems, Devices, And Methods For Interacting With Content Displayed On Head-Mounted Displays
10,656,822	15/799,642	US	Systems, Devices, And Methods For Interacting With Content Displayed On Head-Mounted Displays
	PCT/US2016/054852	WO	Systems, Devices, And Methods For Interacting With Content Displayed On Head-Mounted Displays
	2017290811	AU	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	3029234	CA	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	201780052590	CN	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	17821369	EP	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	2018-567834	JP	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye Tracking

	10-2019-7002178	KR	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	62/357,201	US	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye Tracking
	15/639,371	US	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	15/839,034	US	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye Tracking
	15/839,049	US	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye Tracking
	PCT/US2017/040323	WO	Image Capture Systems, Devices, And Methods That Autofocus Based On Eye-Tracking
	62/367,501	US	Systems, Devices, And Methods For Laser Projectors
10,277,874	15/661,415	US	Systems, Devices, And Methods For Laser Projectors
10,250,856	15/839,058	US	Systems, Devices, And Methods For Laser Projectors
10,230,929	15/839,102	US	Systems, Devices, And Methods For Laser Projectors
	62/374,181	US	Systems, Devices, And Methods For Variable Luminance In Wearable Heads-Up Displays
10,459,221	15/675,373	US	Systems, Devices, And Methods For Variable Luminance In Wearable Heads-Up Displays
10,459,222	15/839,064	US	Systems, Devices, And Methods For Variable Luminance In Wearable Heads-Up Displays
10,459,223	15/839,075	US	Systems, Devices, And Methods For Variable Luminance In Wearable Heads-Up Displays
		WO	Systems, Devices, And Methods For Variable Luminance In Wearable Heads-Up Displays
	62/420,368	US	Systems, Devices, And Methods For Astigmatism Compensation In A Wearable Heads-Up Display
10,215,987	15/809,237	US	Systems, Devices, And Methods For Astigmatism Compensation In A Wearable Heads-Up Display
10,345,596	15/809,247	US	Systems, Devices, And Methods For Astigmatism Compensation In A Wearable Heads-Up Display
	62/420,371	US	Systems, Devices, And Methods For Beam Shaping In A Wearable Heads-Up Display
	15/809,258	US	Systems, Devices, And Methods For Beam Shaping In A Wearable Heads-Up Display
	15/809,266	US	Systems, Devices, And Methods For Beam Shaping In A Wearable Heads-Up Display
	62/420,380	US	Systems, Devices, And Methods For Field Shaping In A Wearable Heads-Up Display
	15/809,629	US	Systems, Devices, And Methods For Field Shaping In Wearable Heads-Up Display

	PCT/CA2017/051348	WO	Systems, Devices, And Methods For Field Shaping In Wearable Heads-Up Display
	15/809,632	US	Systems, Devices, And Methods For Field Shaping In A Wearable Heads-Up Display
	3045192	CA	Systems, Devices, And Methods For Laser Eye Tracking In Wearable Heads-Up Displays
	62/428,320	US	Systems, Devices, And Methods For Laser Eye Tracking In Wearable Heads-Up Displays
10,409,057	15/827,667	US	Systems, Devices, And Methods For Laser Eye Tracking In Wearable Heads-Up Displays
	PCT/CA2017/051440	WO	Systems, Devices, And Methods For Laser Eye Tracking In Wearable Heads-Up Displays
10,459,220	15/827,675	US	Systems, Devices, And Methods For Laser Eye Tracking In Wearable Heads-Up Displays
	62/438,725	US	Systems, Devices, And Methods For Beam Combining In Wearable Heads-Up Displays
10,663,732	15/848,265	US	Systems, Devices, And Methods For Beam Combining In Wearable Heads-Up Displays
10,365,492	15/848,388	US	Systems, Devices, And Methods For Beam Combining In Wearable Heads-Up Displays
	62/450,218	US	Systems, Devices, And Methods For Beam Combining In Laser Projectors
10,718,951	15/852,188	US	Systems, Devices, And Methods For Beam Combining In Laser Projectors
10,437,074	15/852,282	US	Systems, Devices, And Methods For Beam Combining In Laser Projectors
10,437,073	15/852,205	US	Systems, Devices, And Methods For Beam Combining In Laser Projectors
	62/487,303	US	Systems, Devices, And Methods For Holographic Optical Elements
	15/957,444	US	Systems, Devices, And Methods For Holographic Optical Elements
	15/957,447	US	Systems, Devices, And Methods For Holographic Optical Elements
	15/957,449	US	Systems, Devices, And Methods For Holographic Optical Elements
	62/501,587	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Displays
	15/970,631	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Display
10,481,401	15/970,645	US	Systems, Devices, And Methods For Eyebow Expansion In Wearable Heads-Up Display
	62/533,463	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays

	16/036,514	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays
	PCT/CA2018/050860	WO	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays
	16/036,526	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays
10,579,141	16/036,536	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays
	16/036,545	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays
	16/036,554	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays
	16/036,558	US	Dynamic Calibration Systems And Methods For Wearable Heads-Up Displays