

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6198052

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL (RF 042446/0763)	
CONVEYING PARTY DATA		
	Name	Execution Date
	PDL BIOPHARMA, INC.	07/13/2020
RECEIVING PARTY DATA		
Name:	LENSAR, INC.	
Street Address:	2800 DISCOVERY DRIVE	
City:	ORLANDO	
State/Country:	FLORIDA	
Postal Code:	32826	
PROPERTY NUMBERS Total: 64		
Property Type	Number	
Patent Number:	8262646	
Patent Number:	8382745	
Patent Number:	8465478	
Patent Number:	8480659	
Patent Number:	8500723	
Patent Number:	8556425	
Patent Number:	8617146	
Patent Number:	8708491	
Patent Number:	8758332	
Patent Number:	8801186	
Patent Number:	9180051	
Patent Number:	D694890	
Patent Number:	D695408	
Application Number:	11337127	
Application Number:	12217285	
Application Number:	12217295	
Application Number:	12509211	
Application Number:	12509454	
Application Number:	12840818	
Application Number:	12842870	

PATENT

Property Type	Number
Application Number:	13016593
Application Number:	13017499
Application Number:	13427130
Application Number:	13427149
Application Number:	13427319
Application Number:	13435103
Application Number:	14142255
Application Number:	14224012
Application Number:	14335187
Application Number:	14444311
Application Number:	14444339
Application Number:	14444366
Application Number:	14728760
Application Number:	14874325
Application Number:	15013360
Application Number:	15130845
Application Number:	15404116
Application Number:	15481305
Application Number:	61859725
Application Number:	61859737
Application Number:	62148614
Application Number:	62319728
Application Number:	62393560
PCT Number:	US2007001262
PCT Number:	US2007001312
PCT Number:	US2007001353
PCT Number:	US2007001486
PCT Number:	US2010041286
PCT Number:	US2010041324
PCT Number:	US2010042582
PCT Number:	US2010043117
PCT Number:	US2010043255
PCT Number:	US2011022859
PCT Number:	US2011023117
PCT Number:	US2011023159
PCT Number:	US2011056279
PCT Number:	US2012030059
PCT Number:	US2012030247

Property Type	Number
PCT Number:	US2012030259
PCT Number:	US2012031377
PCT Number:	US2014048471
PCT Number:	US2015042381
PCT Number:	US2016027980
PCT Number:	US2017026440

CORRESPONDENCE DATA

Fax Number: (714)755-8290

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 714-540-1235

Email: ipdocket@lw.com

Correspondent Name: LATHAM & WATKINS LLP

Address Line 1: 650 TOWN CENTER DRIVE, SUITE 2000

Address Line 4: COSTA MESA, CALIFORNIA 92626

ATTORNEY DOCKET NUMBER:	058057-0028
NAME OF SUBMITTER:	ANNA T KWAN
SIGNATURE:	/ATK/
DATE SIGNED:	07/13/2020

Total Attachments: 25

source=Project Lion - IP Release#page1.tif
source=Project Lion - IP Release#page2.tif
source=Project Lion - IP Release#page3.tif
source=Project Lion - IP Release#page4.tif
source=Project Lion - IP Release#page5.tif
source=Project Lion - IP Release#page6.tif
source=Project Lion - IP Release#page7.tif
source=Project Lion - IP Release#page8.tif
source=Project Lion - IP Release#page9.tif
source=Project Lion - IP Release#page10.tif
source=Project Lion - IP Release#page11.tif
source=Project Lion - IP Release#page12.tif
source=Project Lion - IP Release#page13.tif
source=Project Lion - IP Release#page14.tif
source=Project Lion - IP Release#page15.tif
source=Project Lion - IP Release#page16.tif
source=Project Lion - IP Release#page17.tif
source=Project Lion - IP Release#page18.tif
source=Project Lion - IP Release#page19.tif
source=Project Lion - IP Release#page20.tif
source=Project Lion - IP Release#page21.tif
source=Project Lion - IP Release#page22.tif

source=Project Lion - IP Release#page23.tif

source=Project Lion - IP Release#page24.tif

source=Project Lion - IP Release#page25.tif

**RELEASE OF SECURITY INTEREST
IN INTELLECTUAL PROPERTY COLLATERAL**

THIS RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL (this "Release"), dated as of July 13, 2020, is made by PDL BIOPHARMA, INC., in its capacity as collateral agent (the "Collateral Agent"), in favor of LENSAR, INC., a Delaware corporation (the "Grantor"), as follows:

WITNESSETH:

WHEREAS, pursuant to that certain Security Agreement, dated as of May 11, 2017 (as amended, modified, restated, amended and restated and/or supplemented from time to time, the "Security Agreement"), by the Grantor in favor of the Collateral Agent, and those certain agreements described on Annex I attached hereto (the "IP Security Agreements" and, collectively with the Security Agreement, the "Security Agreements"), the Grantor granted a security interest (the "Security Interest") in certain collateral in favor of the Collateral Agent, including the IP Collateral (as hereinafter defined); and

WHEREAS, the Collateral Agent now desires to terminate and release the IP Security Agreements and the entirety of its Security Interest in the IP Collateral described on Annex II attached hereto.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and upon the terms set forth in this Release, the Collateral Agent hereby agrees as follows:

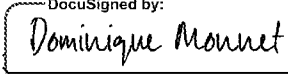
1. Definitions. The term "IP Collateral", as used herein, shall mean all of the Grantors' right, title and interest in, to and under the Patents and Trademarks listed on Annex II attached hereto. Capitalized terms not defined herein have the meanings set forth in the Security Agreements, as applicable.
2. Release of Security Interest. The Collateral Agent, without recourse, representation or warranty and at the Grantor's sole cost and expense, hereby terminates, cancels, releases, relinquishes and discharges, in its entirety, for the benefit of the Grantor, and its successors and assigns, its Security Interest in and to the IP Collateral, and the IP Security Agreements and any and all right, title and interest of the Collateral Agent in, to and under the IP Collateral shall hereby be terminated, cancelled, released, relinquished and discharged. The Collateral Agent hereby authorizes the Grantor and its successors, assigns or other legal representatives to file this Release with the United States Patent and Trademark Office, at the sole expense of the Grantor, to evidence and effectuate the release and termination of the Collateral Agent's Security Interest in the IP Collateral.
3. Delivery by Facsimile. Delivery of an executed signature page to this Release by facsimile or electronic (including .pdf file) transmission shall be as effective as delivery of a manually signed counterpart of this Release.

4. Governing Law. THIS RELEASE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HERETO SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Release of Security Interest in Intellectual Property Collateral by its duly authorized officer as of the date first above written.

PDL BIOPHARMA, INC.,
as Collateral Agent

By  DocuSigned by:
Name: Dominique Monnet
Title: Chief Executive Officer and President

ANNEX I

Grant of Security Interest in United States Trademarks pursuant to that certain Trademark Security Agreement, dated as of May 11, 2017, by Grantor in favor of the Agent recorded with the United States Patent and Trademark Office on May 11, 2017 at Reel 006062, Frame 0651.

Grant of Security Interest in United States Patents pursuant to that certain Patent Security Agreement, dated as of May 11, 2017, by Grantor in favor of the Agent recorded with the United States Patent and Trademark Office on May 11, 2017 at Reel 042446, Frame 0763.

ANNEX II

See attached.

U.S. and International Patents/Applications

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
US	System and Method for Treating the Structure of the Human Lens with a Laser	Appl. No. 11/337,127 Publ. No. 20070173794	1/20/2006		LENSAR, INC.	Pending
US	System and Method for Providing the Shaped Structural Weakening of the Human Lens with a Laser	Appl. No. 11/414,838 Patent No. 8,262,646	5/1/2006	9/11/2012	LENSAR, INC.	Issued
US	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 12/217,285 Publ. No. 20100004643	7/2/2008		LENSAR, INC.	Issued
US	System and Apparatus for Treating the Lens of an Eye	Appl. No. 11/414,819 Pat. No. 9,180,051	5/1/2006	11/10/2015	LENSAR, INC.	Issued
US	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 12/217,295 Publ. No. 20100004641	7/2/2008		LENSAR, INC.	Pending
US	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 14/874,325	10/2/2015		LENSAR, INC.	Pending
US	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	Appl. No. 12/842,870 Publ. No. 2010/0292678	7/23/2010		LENSAR, INC.	Issued
US	Liquid Filled Index Matching Device for Ophthalmic Laser Procedures	Appl. No. 12/509,021 Patent No. 8,500,723	7/24/2009	8/6/2013	LENSAR, INC.	Issued
US	Method and System for Removal and Replacement of Lens Material From the Lens of an Eye	Appl. No. 12/509,412 Patent No. 8,480,659	7/24/2009	7/9/2013	LENSAR, INC.	Issued

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
US	Method and System for Removal and Replacement of Lens Material From the Lens of an Eye	Appl. No. 13/681,004 Patent No. 8,708,491	11/19/2012	4/29/2014	LENSAR, INC.	Issued
US	Method and System for Creating a Bubble Shield for Laser Lens Procedures	Appl. No. 12/509,211 Publ. No. 20100022996	7/24/2009		LENSAR, INC.	Abandoned
US	Laser System and Method for Correction of Induced Astigmatism	Appl. No. 12/831,859 Patent No. 8,617,146	7/7/2010	12/31/2013	LENSAR, INC.	Issued
US	Laser System and Method for Correction of Induced Astigmatism	Appl. No. 14/142,255 Pub. No. 20140155874A1	12/27/2013		LENSAR, INC.	Pending
US	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 12/840,818 Publ. No. 20110022035	7/21/2010		LENSAR, INC.	Pending
US	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Appl. No. 12/831,783 Patent No. 8,758,332	7/7/2010	6/24/2014	LENSAR, INC.	Issued
US	Laser System and Method for Astigmatic Corrections in Association with Cataract Treatment	Appl. No. 12/831,845 Patent No. 8,382,745	7/7/2010	2/26/2013	LENSAR, INC.	Issued
US	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. 12/843,685 Patent No. 8,465,478 Reexamination Certificate 8,465,478 C1	7/26/2010	6/18/2013	LENSAR, INC.	Issued Rexam Cert
US	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Appl. No. 13/016,593 Publ. No. 20110190739	1/28/2011		LENSAR, INC.	Abandoned
US	Purkinjie Image-Based Alignment of Suction Ring in Ophthalmic Applications	Appl. No. 13/017,702 Pat No. 8,556,425	1/31/2011	10/15/2013	LENSAR, INC.	Issued
US	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Appl. No. 13/017,499 Publ. No. 20110190740	1/31/2011		LENSAR, INC.	Abandoned

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
US	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal incisions	Appl. No. 13/427,130 Publ. No. 20120265181	3/22/2012		LENSAR, INC.	Pending
US	System and Method for Correcting Astigmatism Using Multiple Paired Arcuate Laser Generated Corneal Incisions	Appl. No. 13/427,149 Publ. No. 20120296321	3/22/2012		LENSAR, INC.	Pending
US	Laser System for Treatment of the Eye	Appl. No. 29/377,018 Patent No. D695,408	10/15/2010	12/10/2013	LENSAR, INC.	Issued
US	Laser System for Treatment of the Eye	Appl. No. 29/377,054 Patent No. D694,890	10/15/2010	12/3/2013	LENSAR, INC.	Issued
US	System and Method of Laser Scan Controlled Illumination of Structures Within an Eye	Appl. No. 13/273,653 Patent. No. 8,801,186	10/1/2011	8/12/2014	LENSAR, INC.	Issued
US	System and Method of Laser Scan Controlled Illumination of Structures Within an Eye	Appl. No. 14/335,187 Publ. No. 2015/0022779	7/18/2014	3/01/2016	LENSAR, INC.	Issued
US	System and Method for Laser Generated Corneal and Crystalline Lens Incisions Using a Variable F# Optical System with Aspheric Contact Interface to the Cornea or Rotating and Adaptive Optics	Appl. No. 13/435,103 Publ. No. 20120271286	3/30/2012		LENSAR, INC.	Pending
US	System and Method for Measuring Tilt in the Crystalline Lens for Laser Phaco Fragmentation	Appl. No. 13/427,319 Publ. No. 20120330290	3/22/2012		LENSAR, INC.	Published
US	System and Method for Measuring Tilt	Appl. No. 14/728,760	6/2/2015		LENSAR, INC.	Pending

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
US	Second Pass Femtosecond Laser for Incomplete Laser Full or Partial Thickness Corneal Incisions	Appl. No. 61/859,737	7/29/2013		LENSAR, INC.	Expired
US	Second Pass Femtosecond Laser for Incomplete Laser Full or Partial Thickness Corneal Incisions	Appl. No. 14/444,311 Publ. No. 2015/0032091	7/28/2014		LENSAR, INC.	Pending
US	Patient Interface Device for Ophthalmic Laser Procedures	Appl. No. 61/859,725	7/29/2013		LENSAR, INC.	Expired
US	Patient Interface Device for Ophthalmic Laser Procedures	Appl. No. 14/444,339 Publ. No. 20150088175	7/28/2014		LENSAR, INC.	Pending
US	Iris Registration Method and System	Appl. No. 14/444,366 Publ. No. 20150105759	7/28/2014		LENSAR, INC.	Pending
US	Methods and Systems to Provide Excluded Defined Zones for Increasing Accommodative Amplitude	Appl. No. 14/224,012 Publ. No. 2014/0378955	3/24/2014		LENSAR, INC.	Pending
US	Laser Methods and Systems for Addressing Conditions of the Lens	Appl. No. 62/148,614	4/16/15		LENSAR, INC.	Expired
US	Patient Interface Device for Laser Methods and Systems	Appl. No. 15/481,305	4/6/2017		LENSAR, INC.	Pending
US	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 15/404,116	01/11/2017		LENSAR, INC.	Pending

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
PCT	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Appl. No. PCT/US2010/041324 Publ. No. WO/2011/011205	7/8/2010		LENSAR, INC.	Converted
PCT	Patient Interface Device for Ophthalmic Laser Procedures	Appl. No. PCT/US2014/048471 Publ. No. WO/2015/017343	7/28/2014		LENSAR, INC.	Converted
PCT	Patient Interface Device for Laser Methods and Systems	Appl. No. PCT/US17/26440	4/6/2017		LENSAR, INC.	Pending
AU	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Appl. No. 2010274172 Publ. No. AU2010274172	7/8/2010		LENSAR, INC.	Abandoned
CA	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Appl. No. 2769065 Publ. No. CA2769065	7/8/2010		LENSAR, INC.	Abandoned
CN	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Appl. No. 201080042338.3 Patent No. 201080042338.3	7/8/2010	12/10/2014	LENSAR, INC.	Issued
EPO	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Appl. No. 10802656.8 Publ. No. EP2456401	7/8/2010		LENSAR, INC.	Abandoned
EPO	Laser System for Reducing Astigmatism Induced From Cataract Therapy	Appl. No. 13185221.2 Publ. No. EP2676645	7/8/2010		LENSAR, INC.	Abandoned

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
JP	The Treatment of the Related Anticataractal and Causing the Laser System and Method for Correcting Astigmatic Astigmatism	Appl. No. 2012-521668 Publ. No. JP2013500057	7/8/2010		LENSAR, INC.	Abandoned
PCT	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Appl. No. PCT/US2010/041286 Publ. No. WO/2011/011202	7/8/2010		LENSAR, INC.	Converted
AU	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Appl. No. 2010274169 Publ. No. AU2010274169	7/8/2010		LENSAR, INC.	Abandoned
CA	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Appl. No. 2769059 Publ. No. CA2769059	7/8/2010		LENSAR, INC.	Abandoned
CN	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Appl. No. 201080042778.9 Patent No. 201080042778.9	7/8/2010	8/20/2014	LENSAR, INC.	Issued
EPO	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Appl. No. 10802654.3 Publ. No. EP2456400	7/8/2010	9/07/2016	LENSAR, INC.	Issued
JP	By Executing the Eye Keratotomy Angiotomy Sealing a Laser System and Method	Appl. No. 2012-521667 Publ. No. JP2013500056	7/8/2010		LENSAR, INC.	Abandoned
AU	Laser System for Treatment of the Eye	Appl. No. 11689/2011 Patent No. 336555	4/15/2011	5/16/2011	LENSAR, INC.	Issued
AU	Laser System for Treatment of the Eye	Appl. No. 11690/2011 Patent No. 336556	4/15/2011	5/16/2011	LENSAR, INC.	Issued
CA	Laser System for Treatment of the Eye	Appl. No. 140171 Patent No. 140171	4/14/2011	12/7/2011	LENSAR, INC.	Issued

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
CA	Laser System for Treatment of the Eye	Appl. No. 142171 Patent No. 142171	4/14/2011	12/7/2011	LENSAR, INC.	Issued
CN	Laser System for Treatment of the Eye	Appl. No. 201130076493.4 Patent No. 201130076493.4	4/15/2011	8/22/2012	LENSAR, INC.	Issued
EPO	Laser System for Treatment of the Eye	Appl. No. 001851445 Patent No. 001851445-0001	4/14/2011	4/14/2011	LENSAR, INC.	Issued
EPO	Laser System for Treatment of the Eye	Appl. No. 001851445-0002 Patent No. 001851445-0002	4/14/2011	4/14/2011	LENSAR, INC.	Issued
JP	Laser System for Treatment of the Eye	Appl. No. 8725/2011 Patent No. 1427246	4/15/2011	10/14/2011	LENSAR, INC.	Issued
JP	Laser System for Treatment of the Eye	Appl. No. 8726/2011 Patent No. 1427247	4/15/2011	10/14/2011	LENSAR, INC.	Issued
PCT	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. PCT/US2010/042582 Publ. No. WO/2011/011400	7/20/2010		LENSAR, INC.	Converted
AU	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 2010276360 Publ. No. AU2010276360	7/20/2010		LENSAR, INC.	Abandoned
CA	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 2769091	7/20/2010		LENSAR, INC.	Abandoned
CN	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 201080041721.7 Publ. No. 102625685A	7/20/2010	11/25/2015	LENSAR, INC.	Issued
EPO	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 10802768.1 Patent No. EP2456402	7/20/2010	8/20/2014	LENSAR, INC.	Issued
France	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 10802768.1 Patent No. EP2456402	7/20/2010	8/20/2014	LENSAR, INC.	Issued

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
Germany	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 10802768.1 Patent No. EP2456402	7/20/2010	8/20/2014	LENSAR, INC.	Issued
Italy	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 10802768.1 Patent No. EP2456402	7/20/2010	8/20/2014	LENSAR, INC.	Issued
United Kingdom	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 10802768.1 Patent No. EP2456402	7/20/2010	8/20/2014	LENSAR, INC.	Issued
JP	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Appl. No. 2012521729 Publ. No. JP2013500063	7/20/2010		LENSAR, INC.	Abandoned
PCT	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Appl. No. PCT/US2011/023117 Publ. No. WO/2011/094666	1/31/2011		LENSAR, INC.	Converted
CN	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Appl. No. 201180007921.5 Publ. No. CN102843956	1/31/2011		LENSAR, INC.	Abandoned
EPO	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Appl. No. 11737806.7 Publ. No. EP2531090	1/31/2011		LENSAR, INC.	Abandoned
HK	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Appl. No. 13101561.2	2/4/2013		LENSAR, INC.	Abandoned
PCT	Purkinjie Image-Based Alignment of Suction Ring in Ophthalmic Applications	Appl. No. PCT/US2011/023159 Publ. No. WO/2011/094678	1/31/2011		LENSAR, INC.	Converted
CN	Purkinjie Image-Based Alignment of Suction Ring in Ophthalmic Applications	Appl. No. 201180007877.8 Publ. No. CN102843955	1/31/2011		LENSAR, INC.	Abandoned
EPO	Purkinjie Image-Based Alignment of Suction Ring in Ophthalmic Applications	Appl. No. 11737813.3 Publ. No. EP2531089	1/31/2011		LENSAR, INC.	Pending

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
HK	Purkinje Image-Based Alignment of Suction Ring in Ophthalmic Applications	Appl. No. 13101560.3	2/4/2013		LENSAR, INC.	Pending
PCT	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Appl. No. PCT/US2011/022859 Publ. No. WO/2011/094493	1/28/2011		LENSAR, INC.	Converted
CN	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Appl. No. 201180015126.0 Publ. No. CN102811685	1/28/2011		LENSAR, INC.	Abandoned
EPO	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Appl. No. 11737702.8 Publ. No. EP2528563	1/28/2011		LENSAR, INC.	Abandoned
HK	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Appl. No. 13101562.1	2/4/2013		LENSAR, INC.	Abandoned
PCT	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. PCT/US2007/001486 Publ. No. WO/2007/084694	1/19/2007		LENSAR, INC.	Converted
AU	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 2007207399	1/19/2007		LENSAR, INC.	Abandoned
CA	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 2637232	1/19/2007		LENSAR, INC.	Abandoned
CN	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 200780010007.X Patent No. 200780010007.X	1/19/2007	9/7/2011	LENSAR, INC.	Issued
CN	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 201110205299.0 Publ. No. 102335061A	1/19/2007	5/13/2015	LENSAR, INC.	Issued
EPO	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 07718259.0 Publ. No. EP1981426	1/19/2007		LENSAR, INC.	Pending

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
JP	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. 2008-551425 Publ. No. JP2009523556	1/19/2007		LENSAR, INC.	Abandoned
MX	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Appl. No. MX/a/2008/009407	7/21/2008		LENSAR, INC.	Abandoned
PCT	System and Apparatus for Treating the Lens of an Eye	Appl. No. PCT/US2007/001262 Publ. No. WO/2007/084579	1/18/2007		LENSAR, INC.	Completed
JP	System and Method, a Laser Irradiation Pattern of an Eye Lentis	Appl. No. JP2012521848 Publ. No. JP2013500078	7/23/2010		LENSAR, INC.	Abandoned
PCT	System and Method for Correcting Astigmatism Using Multiple Paired Arcuate Laser Generated Corneal Incisions	Appl. No. PCT/US2012/030247 Publ. No. WO/2012/134979	3/23/2012		LENSAR, INC.	Completed
CN	System and Method for Correcting Astigmatism Using Multiple Paired Arcuate Laser Generated Corneal Incisions	Appl. No. 201280014253.3 Pub. No. CN103501687	3/23/2012	10/12/2016	LENSAR, INC.	Issued
EPO	System and Method for Correcting Astigmatism Using Multiple Paired Arcuate Laser Generated Corneal Incisions	Appl. No. 12765501.7 Publ. No. 2688461	3/23/2012		LENSAR, INC.	Abandoned
PCT	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. PCT/US2007/001353 Publ. No. WO/2007/084627	1/19/2007		LENSAR, INC.	Converted

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
CA	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 2637206	1/19/2007		LENSAR, INC.	Abandoned
AU	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 2007207513	1/19/2007		LENSAR, INC.	Abandoned
CN	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 200780009762.6 Patent No. 20078001007.X	1/19/2007	9/19/2011	LENSAR, INC.	Issued
CN	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 201110314428X Patent No. 201110314428X	1/19/2007		LENSAR, INC.	Pending
CN	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 201110314451.9 Patent No. 201110314451.9	10/11/2011		LENSAR, INC.	Pending
EPO	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 07718200.4 Publ. No. EP1981454	1/19/2007		LENSAR, INC.	Pending

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
JP	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. 2008551393 Publ. No. JP2009523550	1/19/2007		LENSAR, INC.	Abandoned
MX	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Appl. No. MX/a/2008/009406	7/21/2008		LENSAR, INC.	Abandoned
PCT	Laser Generated Corneal and Crystalline Lens Incisions	Appl. No. PCT/US2012/031377 Publ. No. WO/2012/135579	3/30/2012		LENSAR, INC.	Completed
CN	System and Method for Laser Generated Corneal and Crystalline Lens Incisions Using a Variable F# optical System with Aspheric Contact Interface to the Cornea or Rotating and Adaptive Optics	Appl. No. 2012817513 Publ. No. CN103974678	3/30/2012	2/08/2017	LENSAR, INC.	Issued
EPO	System and Method for Laser Generated Corneal and Crystalline Lens Incisions Using a Variable F# optical System with Aspheric Contact Interface to the Cornea or Rotating and Adaptive Optics	Appl. No. 12765379.8 Publ. No. EP2695016	3/30/2012	10/18/2016	LENSAR, INC.	Issued
PCT	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal Incisions	Appl. No. PCT/US2012/030059 Publ. No. WO/2012/134931	3/22/2012		LENSAR, INC.	Converted
CN	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal Incisions	Appl. No. 201280015199.4 Publ. No. CN103501686	3/22/2012	2/08/2017	LENSAR, INC.	Issued

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
EPO	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal Incisions	Appl. No. 12764966.3 Publ. No. EP2688459	3/22/2012		LENSAR, INC.	Pending
PCT	System and Method for Measuring Tilt in the Crystalline Lens for Laser Phaco Fragmentation	Appl. No. PCT/US2012/030259 Publ. No. WO/2012/134986	3/23/2012		LENSAR, INC.	Converted
CN	System and Method for Measuring Tilt in the Crystalline Lens for Laser Phaco Fragmentation	Appl. No. 201280015211.1 Publ. No. CN103501720	3/23/2012		LENSAR, INC.	Pending
EPO	System and Method for Measuring Tilt in the Crystalline Lens for Laser Phaco Fragmentation	Appl. No. 12764431.8 Publ. No. EP2688504	3/23/2012		LENSAR, INC.	Pending
PCT	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. PCT/US2010/043255 Publ. No. WO/2011/011788	7/26/2010		LENSAR, INC.	Converted
AU	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. 2010275380 Publ. No. AU2010275380	7/26/2010		LENSAR, INC.	Abandoned
CA	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. 2769097 Publ. No. CA2769097	7/26/2010		LENSAR, INC.	Abandoned
CN	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. 201080042503.5 Publ. No. 102639078A	7/26/2010		LENSAR, INC.	Pending
EPO	System and Method for Performing Laser Assisted Procedures on the Lens of an Eye	Appl. No. 10803018.0 Patent No. EP2456385	7/26/2010	7/22/2015	LENSAR, INC.	Issued
GB	System and Method for Performing Laser Assisted Procedures on the Lens of an Eye	Appl. No. EP10803018.0 Patent No. EP2456385 National Validation of LR-9a EP	7/26/2010	7/22/2015	LENSAR, INC.	Issued

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
FR	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. EP10803018.0 Patent No. EP2456385 National Validation of LR-9a EP	7/26/2010	7/22/2015	LENSAR, INC.	Issued
DE	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	Appl. No. 602010026112.3 Patent No. EP2456385 National Validation of LR-9a EP	7/26/2010	7/22/2015	LENSAR, INC.	Issued
JP	System and Method for Utilizing a Procedure of Executing a Ladar on the Eye Lentis	Appl. No. 2012521878 Publ. No. JP2013500086	7/26/2010		LENSAR, INC.	Abandoned
PCT	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	Appl. No. PCT/US2010/043117 Publ. No. WO/2011/011727	7/23/2010		LENSAR, INC.	Converted
AU	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	Appl. No. 2010275482 Publ. No. AU2010275482	7/23/2010		LENSAR, INC.	Abandoned
CA	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	Appl. No. CA2769090	7/23/2010		LENSAR, INC.	Abandoned
CN	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	Appl. No. 201080042744.X Publ. No. 102647954A	7/23/2010	2/03/2016	LENSAR, INC.	Issued
EPO	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	Appl. No. 10802983.6 Publ. No. EP2456384	7/23/2010		LENSAR, INC.	Pending
PCT	System and Method for Providing the Shaped Structural Weakening of the Human Lens with a Laser	PCT/US2007/001312 Publ. No. WO/2007/084602	1/18/2007		LENSAR, INC.	Completed
CN	System and Method for Providing the Shaped Structural Weakening of the Human Lens with a Laser	Appl. No. 201110314428.X Patent No. 201110314428.X	1/19/2007	6/4/2014	LENSAR, INC.	Issued

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
CN	System and Method for Providing the Shaped Structural Weakening of the Human Lens with a Laser	Appl. No. 201110314451.9 Patent No. 201110314451.9	1/19/2007	6/4/2014	LENSAR, INC.	Issued
PCT	System and Method of Scan Controlled Illumination of Structures Within an Eye	Appl. No. PCT/US2011/056279 Publ. No. WO/2012/051490	10/14/2011		LENSAR, INC.	Converted
CN	System and Method of Scan Controlled Illumination of Structures Within an Eye	Appl. No. 201180056915.9 Publ. No. CN103338692A	10/14/2011		LENSAR, INC.	Pending
EPO	System and Method of Scan Controlled Illumination of Structures Within an Eye	Appl. No. 11833457.2 Publ. No. EP2627240	10/14/2011		LENSAR, INC.	Pending
CN	Iris Registration Method and System	Appl. No. 201410425964.0 Publ. No. CN104573620	8/26/2014		LENSAR, INC.	Pending
EPO	Iris Registration Method and System	Appl. No. 14182248.6 Publ. No. EP2862548	8/26/2014		LENSAR, INC.	Pending
PCT	Iris Registration Method and System	Appl. No. PCT/US2015/042381	7/28/15		LENSAR, INC.	Pending
EPO	Second Pass Femtosecond Laser for Incomplete Laser Full or Partial Thickness Corneal Incisions	Appl. No. 14178969.3 Publ. No. EP 2837367	7/29/2014		LENSAR, INC.	Pending
CN	Second Pass Femtosecond Laser for Incomplete Laser Full or Partial Thickness Corneal Incisions	Appl. No. 201410366682.8 Publ. No. CN104337613	7/29/2014		LENSAR, INC.	Pending
US	Method and System for Measuring an Eye	Appl. No. 12509454 Publ. No. 20100042079	7/25/2009		LENSAR, INC.	Abandoned

Country	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status
US	System and method of illumination of structures within an eye	Appl. No. 15/013,360 Publ. No. 20160220113	2/2/2016		LENSAR, INC.	Pending
US	Laser Methods and Systems for Addressing Conditions of the Lens	Appl. No. 15/130,845 Publication No. US 2016-0302971	5/15/2016		LENSAR, INC.	Pending
PCT	Laser Methods and Systems for Addressing Conditions of the Lens	Appl. No. PCT/US16/027980	4/15/2016		LENSAR, INC.	Pending
US	Laser Methods and Systems for Addressing Conditions of the Lens and Inserting Intraocular Lenses	Prov. Appl. No. 62/393,560	9/12/2016		LENSAR, INC.	Pending
US	Patient Interface Device for Laser Methods and Systems	Prov. Appl. No. 62/319,728	4/7/2016		LENSAR, INC.	Pending
EPO	Patient Interface Device for Ophthalmic Laser Procedures	Appl. No. 14831847.0 Publ. No. EP 3027153	2/26/2016		LENSAR, INC.	Pending
EPO	Iris Registration Method and System	Appl. No. 15827645.1	7/28/2015		LENSAR, INC.	Pending
EPO	Laser Methods and Systems for Addressing Conditions of the Lens	Appl. No. 16780945.8	4/15/2016		LENSAR, INC.	Pending
EPO	Laser System for Performing and Sealing Corneal Incisions in the Eye	Appl. No. 16187407.8 Publ. No. EP3132776	7/8/2010		LENSAR, INC.	Pending

U.S. Federal Trademarks/Applications

Mark	Serial/ Registration Number	Filing/ Registration Date	Goods/ Services	Owner	Status
LENSAR	Serial No. 77/168,337	Filing Date 4/28/2007	Int'l Cl. 44 – medical services	LENSAR, INC.	Abandoned
LENSAR	Serial No. 77/688,544 Reg. No. 3,887,090	Filing Date 3/11/2009 Reg. Date 12/7/2010	Int'l Cl. 10 - surgical apparatus and instruments for use in ophthalmic surgery	LENSAR, INC.	Registered
 LENSAR	Serial No. 85/761,756 Reg. No. 4,502,612	Filing Date 10/23/2012 Reg. Date 3/25/2014	Int'l Cl. 10 – surgical apparatus and instruments for use in ophthalmic surgery	LENSAR, INC.	Registered
 LENSAR	Serial No. 85/761,764 Reg. No. 4,502,613	Filing Date 10/23/2012 Reg. Date 3/25/2014	Int'l Cl. 10 – surgical apparatus and instruments for use in ophthalmic surgery	LENSAR, INC.	Registered
LensAR	Serial No. 76/697,481	Filing Date 5/19/2009	Int'l Cl. 10 - Surgical apparatus and instruments for use in ophthalmic surgery Intl'l Cl. 44 - medical services in the field of ophthalmology	LENSAR, INC.	Abandoned
	Serial No. 76/697,482	Filing Date 5/19/2009	Int'l Cl. 10 - Surgical apparatus and instruments for use in ophthalmic surgery	LENSAR, INC.	Abandoned

Mark	Serial/ Registration Number	Filing/ Registration Date	Goods/ Services	Owner	Status
CLU CATARACT LASER UNIVERSITY	Serial No. 86/449,099 Reg. No. 4,909,761	Filing Date 11/9/2014 Reg. Date 3/1/2016	Int'l Cl. 41 - Educational services, namely, providing training for medical professionals and others in the field of cataract surgery and in the use and operation of ophthalmological surgical tools and equipment	LENSAR, INC.	Registered
STREAMLINE	Serial No. 86/563,388 Reg. No. 5,105,704	Filing Date 3/13/2015 Reg. Date 12/20/2016	Int'l Cl. 9 - Software for use with surgical apparatus and instruments in ophthalmic surgery	LENSAR, INC.	Registered
CATARACT LASER UNIVERSITY	Serial No. 86/587,290 Reg. No. 4,797,108	Filing Date 4/3/2015 Reg. Date 8/18/2015	Int'l. Cl. 41 - Educational services, namely, providing training for medical professionals and others in the field of cataract surgery and in the use and operation of ophthalmological surgical tools and equipment.	LENSAR, INC.	Registered (Supp. Reg.)
LENSAR CATARACT LASER WITH AUGMENTED REALITY	Serial No. 85/761,764 Reg. No. 4,502,613	Filing Date 10/23/2012 Reg. Date 3/25/2014	Int'l C. 10 - surgical apparatus and instruments for use in ophthalmic surgery	LENSAR, INC.	Registered
3D-CSI	Serial No. 85/233,683	Filing Date 2/3/2011	Int'l Cl. 10 - medical devices, namely, ophthalmic biometric devices used to image and measure the anatomy of the eye	LENSAR, INC.	Abandoned

Mark	Serial/ Registration Number	Filing/ Registration Date	Goods/ Services	Owner	Status
INTELLIAXIS	Serial No. 86/737,820	Filing Date 8/26/2015	Int'l Cl. 42 - non-downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Published

U.S. State and International Trademarks/Applications

Mark	Country	Serial/ Registration No. and Filing/ Registration Date	Goods/ Services	Owner	Status
STREAMLINE	Brazil	909943931 9/3/2015	Int'l Cl. 9 - Software for use with surgical apparatus and instruments in ophthalmic surgery	LENSAR, INC.	Published
STREAMLINE	Hong Kong	303517948 8/26/2015	Int'l Cl. 9 - Software for use with surgical apparatus and instruments in ophthalmic surgery	LENSAR, INC.	Published
STREAMLINE	WIPO Countries designated: EU, Switzerland, Turkey, China, the Philippines, India, Australia, New Zealand, Japan, Mexico and Russia	1267167 8/25/2015	Int'l Cl. 9 - Software for use with surgical apparatus and instruments in ophthalmic surgery	LENSAR, INC.	Registered
STREAMLINE	Malaysia	2015009085 9/3/2015	Int'l Cl. 9 - Software for use with surgical apparatus and instruments in ophthalmic surgery	LENSAR, INC.	Abandoned
STREAMLINE	Taiwan	104051972 9/2/2015	Int'l Cl. 9 - Software for use with surgical apparatus and instruments in ophthalmic surgery	LENSAR, INC.	Published

Mark	Country	Serial/ Registration No. and Filing/ Registration Date	Goods/ Services	Owner	Status
INTELLIAXIS	Brazil	910679746 2/25/2016	Intl'l Cl. 42 – non downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Published
INTELLIAXIS	Hong Kong	303696201 2/25/2016	Intl'l Cl. 42 – non downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Registered
INTELLIAXIS	Int'l Registraion – Madrid Protocol Only	1325908 2/25/2016	Intl'l Cl. 42 – non downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Registered
INTELLIAXIS	India	App. No. 3482159 2/24/2016	Intl'l Cl. 42 – non downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Pending
INTELLIAXIS	Malaysia	2016001887 2/25/2016	Intl'l Cl. 42 – non downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Published
INTELLIAXIS	Taiwan	105010594 2/26/2016	Intl'l Cl. 42 – non downloadable software for the positioning or delivery of laser incisions in the structures of the eye	LENSAR, INC.	Registered