PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4252664

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	504184309

CONVEYING PARTY DATA

Name	Execution Date
LENSAR, LLC	12/16/2016

RECEIVING PARTY DATA

Name:	LENSAR, INC.
Street Address:	2800 DISCOVERY DRIVE
City:	ORLANDO
State/Country:	FLORIDA
Postal Code:	32826

PROPERTY NUMBERS Total: 84

Property Type	Number
Application Number:	11337127
Patent Number:	8262646
Application Number:	12217285
Patent Number:	9180051
Application Number:	12217295
Application Number:	14874325
Application Number:	61228560
Application Number:	61228529
Patent Number:	9375349
Application Number:	61083849
Patent Number:	8500723
Application Number:	61135950
Patent Number:	8480659
Application Number:	12509454
Patent Number:	8708491
Application Number:	61083847
Application Number:	12509211
Application Number:	61228533
Patent Number:	8617146

PATENT REEL: 041258 FRAME: 0863

504205987

Property Type	Number
Application Number:	14142255
Application Number:	61228457
Application Number:	12840818
Application Number:	61228484
Patent Number:	8758332
Application Number:	61228514
Patent Number:	8382745
Application Number:	61228506
Patent Number:	8465478
Application Number:	61299536
Application Number:	61300167
Application Number:	13016593
Application Number:	61300125
Patent Number:	8556425
Application Number:	61300129
Application Number:	61467622
Application Number:	61467592
Application Number:	13017499
Application Number:	13427130
Application Number:	13427149
Application Number:	29377018
Application Number:	29377054
Application Number:	61455178
Patent Number:	8801186
Patent Number:	9271645
Application Number:	15013360
Application Number:	61470734
Application Number:	61550101
Application Number:	13435103
Application Number:	61467601
Application Number:	13427319
Application Number:	14728760
Application Number:	61859737
Application Number:	14444311
Application Number:	61859725
Application Number:	14444339
Application Number:	61891149
Application Number:	14444366

Property Type	Number
Application Number:	14224012
Application Number:	62148614
Application Number:	15130845
PCT Number:	US2016027980
Application Number:	62393560
Application Number:	62319728
Application Number:	61550225
Application Number:	61549910
PCT Number:	US2010041324
PCT Number:	US2014048471
PCT Number:	US2010041286
PCT Number:	US2011023117
PCT Number:	US2011023159
PCT Number:	US2011022859
PCT Number:	US2007001486
PCT Number:	US2007001262
PCT Number:	US2012030247
PCT Number:	US2007001353
PCT Number:	US2012031377
PCT Number:	US2012030059
PCT Number:	US2012030259
PCT Number:	US2010043255
PCT Number:	US2010043117
PCT Number:	US2007001312
PCT Number:	US2011056279
PCT Number:	US2015042381
PCT Number:	US2010042582

CORRESPONDENCE DATA

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Address Line 1: 1330 CONNECTICUT AVE. NW Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	19513.00001 LENSAR-84-DOC
NAME OF SUBMITTER:	GLEN P. BELVIS

SIGNATURE:	/Glen P. Belvis/
DATE SIGNED:	01/31/2017

Total Attachments: 41

source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page1.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page2.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page3.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page4.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page5.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page6.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page7.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page8.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page9.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page10.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page11.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page12.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page13.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page14.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page15.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page16.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page17.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page18.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page19.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page20.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page21.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page22.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page23.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page24.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page25.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page26.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page27.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page28.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page29.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page30.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page31.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page32.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page33.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page34.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page35.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page36.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page37.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page38.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page39.tif source=Lion Buyer - Certificate of Amendment (name change) 2015-12-16(1) (filed 12-16-15)#page40.tif source=Notice-of-Non-Recordation-WuID504184309#page1.tif

PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("Patent Assignment"), dated as of December 16, 2016, is made by LENSAR, LLC, a Delaware limited liability company ("Seller"), in favor of LENSAR, Inc., a Delaware corporation ("Buyer"), the purchaser of certain assets of Seller pursuant to that certain Asset Purchase Agreement, dated as of December 16, 2016, by and among Seller, Alphaeon Corporation, a Delaware corporation, and Buyer (the "Purchase Agreement").

WHEREAS, under the terms of the Purchase Agreement, Seller has agreed to sell, assign, transfer, convey and deliver to Buyer substantially all of the assets of Seller, including, among other assets, certain intellectual property of Seller, and has agreed to execute and deliver this Patent Assignment, for recording with governmental authorities including, but not limited to, the US Patent and Trademark Office.

NOW THEREFORE, the parties agree as follows:

- 1. <u>Assignment</u>. In consideration for the execution of the Purchase Agreement, the payment of the consideration stipulated in the Purchase Agreement and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller hereby irrevocably conveys, transfers and assigns to Buyer, and Buyer hereby accepts, all of Seller's right, title and interest in and to the following (the "<u>Assigned Patents</u>"):
- (a) the patents and patent applications set forth in Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations and renewals thereof (the "Patents");
- (b) all rights of any kind whatsoever of Seller accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;
- (c) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and
- (d) any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right but not the obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.
- 2. <u>Recordation and Further Actions</u>. Seller authorizes the Commissioner for Patents of the US Patent and Trademark Office, any foreign patent offices, and any other governmental officials to record and register this Patent Assignment upon request by Buyer. Seller shall take such steps and actions following the date hereof, including the execution of any documents, files, registrations, or other similar items, to ensure that the Assigned Patents are properly assigned to Buyer, or any assignee or successor thereto.

- 3. Terms of the Purchase Agreement. The terms of the Purchase Agreement, including, but not limited to, the representations, warranties, covenants, agreements and indemnities relating to the Assigned Patents are incorporated herein by this reference. The parties hereto acknowledge and agree that the representations, warranties, covenants, agreements and indemnities contained in the Purchase Agreement shall not be superseded hereby but shall remain in full force and effect to the full extent provided therein. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern.
- 4. <u>Counterparts</u>. This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Patent Assignment delivered by facsimile, e-mail or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.
- 5. <u>Successors and Assigns</u>. This Patent Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.
- 6. <u>Governing Law</u>. This Patent Assignment and any claim, controversy, dispute or cause of action (whether in contract, tort or otherwise) based upon, arising out of or relating to this Patent Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Delaware, without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction).

[SIGNATURE PAGE FOLLOWS]

2

IN WITNESS WHEREOF, Seller has duly executed and delivered this Patent Assignment as of the date first above written.

LENSAR, LLC

	<u> </u>
By:	
N.T	Murthy Simhambhatla
Name:	CEO, ALPHAEON, Member and Manager of
Title:	Longor IIC

Address for Notices 18191 Von Karman Ave., Suite 500 Irvine, CA 92612

AGREED TO AND ACCEPTED:

LENSAR, Inc.

Address for Notices

Ву:	 	 	
Mamaa			
Name: Title:			

IN WITNESS WHEREOF, Seller has duly executed and delivered this Patent Assignment as of the date first above written.

LENS	AR, LI	C		
Ву:			 	
Name:				

Address for Notices

Title:

AGREED TO AND ACCEPTED:

LENSÅR, Jøc.

- 1 /1 /1t

Name: Mick To Covering

Title: (E)

Address for Notices

[Signature Page to Patent Assignment Agreement]

SCHEDULE 1

ASSIGNED PATENTS AND PATENT APPLICATIONS

See attached.

Assigned Patents and Patent Applications

Country	Country LENSAR Title	Title	Application/Patent	Filing Date	Issue Date	Recorded	Status	Comments
US	LR-1	System and	Appl. No.	1/20/2006		LENSAR,	Pending	RCE Filed
		Method for	11/337,127			LLC	(1/8/2016
		Treating the	Publ. No.					
		Structure of the	20070173794					
		with a Laser						
US	LR-1a	System and Method for	Appl. No. 11/414.838	5/1/2006	9/11/2012	LENSAR, LLC	Issued	Expires 1/20/2026
		Providing the	Patent No. 8,262,646					(+1220 days)
		Weakening of the						8 year maint fee
		a Laser						Contin-part of
								Appl. No. 11/337,127 filed
								1/20/2006
SU	LR-1a-1	System and	Appl. No.	7/2/2008		LENSAR,	Allowed	9/13/2016
		Method for	12/217,285			LLC		– Notice of
		Improving the	Publ. No.					Allowance
		Amplified and	C+0+0000104					and rees
		Increasing the						Issue Fee
		Refractive Power						Due:
		of the Human						December
		Lens with a Laser						13, 2016
								Paid
								12/05/16

US	US	sn	US	Country
LR-1c-1	LR-1b-2	LR-1b-1	LR-1b	Country LENSAR Title
System and Method for Providing Laser Shot Patterns to the Lens of an Eye	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	System and Apparatus for Treating the Lens of an Eye	Title
Prov. Appl. No. 61/228,560	Appl. No. 14/874,325 Publication No. US 2016- 0030244	Appl. No. 12/217,295 Publ. No. 20100004641	Number Appl. No. 11/414,819 Publ. No. 20070173795 Pat. No. 9,180,051	Application/Patent
7/25/2009	10/2/2015	7/2/2008	5/1/2006	Filing
			Owner 11/10/2015 LENSAR, LLC	Issue Date Recorded
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	Owner LENSAR, LLC	
Expired	Pending	Pending	Issued	Status
	Div. of LR-1b Lensar is assignee by parent assignment	10-21-2016 – Final Office Action Issued Initial due date: 1-21-2017	4 yr maint fee due: 11/10/18	Comments

US	Sn	US	SU	US
LR-3	LR-2a	LR-2	LR-1d	LR-1c-2
Method and System for Removal and Replacement of Lens Material From the Lens of an Eye	Liquid Filled Index Matching Device for Ophthalmic Laser Procedures	Liquid Filled Index Matching Device for Ophthalmic Laser Procedures	System and Method for Providing Laser Shot Patterns to the Lens of an Eye	System and Method for Providing Laser Shot Patterns to the Lens of an Eye
Prov. Appl. No. 61/135,950	Appl. No. 12/509,021 Patent No. 8,500,723	Prov. Appl. No. 61/083,849	Appl. No. 12/842,870 Publ No. 2010/0292678 Patent No. 9,375,349	Prov. Appl. No. 61/228,529
7/25/2008	7/24/2009 8/6/2013	7/25/2008	7/23/2010	7/24/2009
	8/6/2013		7/23/2010 6/28/2016	
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC Issued	LENSAR, LLC
Expired	Issued	Expired	Issued	Expired
	Expires 7/24/2029 (+785 days) 4 year maint. fee due by 2/7/2017 Claims priority of Prov. Appl. No. 61/083,849		4 year maint fee due 6/28/2019	

SO	US
LR-3b	LR-3a
36	
Method and System for Removal and Replacement of Lens Material From the Lens of an Eye	Method and System for Removal and Replacement of Lens Material From the Lens of an Eye
Appl. No. 12/509,454 Pub. No. 20100042079	Appl. No. 12/509,412 Patent No. 8,480,659
7/25/2009	7/24/2009 7/9/2013
	7/9/2013
LENSAR, LLC	LENSAR, LLC
Abandoned Expressly abandoned [11/26/201]	Issued
Expressly abandoned 11/26/2012	Expires 7/24/2029 (+946 days) Subject to terminal disclaimer 4 year maint. fee due by 1/10/2017 Claims priority of Prov. Appl. No. 61/135,950

s	US	US	US	Country
LR-5	LR-4a	LR-4	Number LR-3b-1	LENSAR
Laser System and Method for Correction of Induced Astigmatism	Method and System for Creating a Bubble Shield for Laser Lens Procedures	Method and System for Creating a Bubble Shield for Laser Lens Procedures	Method and System for Removal and Replacement of Lens Material From the Lens of an Eye	Title
Prov. Appl. No. 61/228,533	Appl. No. 12/509,211 Publ. No. 20100022996	Prov. Appl. No. 61/083,847	Number Appl. No. 13/681,004 Patent No. 8,708,491	lon/Patent
7/24/2009	7/24/2009	7/25/2008	11/19/2012	Filing Date
			4/29/2014	Issue Date
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	Owner LENSAR, LLC	ď
Expired	Abandoned	Expired	Issued	Status
			Expires 7/25/2029 4 year maint. fee due by 4/29/2018 Claims priority of Prov. Appl. No. 61/135,950 Assignment recorded for parent 12/509,454	Comments

US	US	US	Country
LR-6	LR-5a-1	LR-5a	LENSAR Number
Liquid Holding Interface Device for Ophthalmic Laser Procedures	Laser System and Method for Correction of Induced Astigmatism	Laser System and Method for Correction of Induced Astigmatism	Title
Prov. Appl. No. 61/228,457	Appl. No. 14/142,255 Pub. No. 2014- 0155874A1	Appl. No. 12/831,859 Pub. No. 20110160711 Patent No. 8,617,146	Application/Patent Number
7/24/2009	12/27/2013	7/7/2010	Filing Date
		12/31/2013	Issue Date
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	Recorded Owner
Expired	Pending	Issued	Status
	Non-Final Office Action issued July 15, 2016. Initial Response Due Date: 10/15/2016 Drop Dead Response Due Date: 2/17/2017	Subject to Terminal Disclaimer; Expires 7/7/2030 (+252 days) 4 year maint. Fee due by 12/31/2017 Claims priority of Prov. Appl. No. 61/228,533 Assignment recorded for the provisional	Comments

	US		Country	US											
	LR-7		LENSAR Number	LR-7a											
Interface Device for Ophthalmic Laser Procedures	Laser System and	Method for Performing and Sealing Corneal Incisions in the Eye	Title	Laser System and Method for	Performing and	Sealing Corneal Incisions in the	Eye								
12/840,818 Publ. No. 20110022035	Prov. Appl. No.	61/228,484	Application/Patent Number	Appl. No. 12/831.783	Publ. No.	20110160710 Patent No. 8,758,332									
	7/24/2009		ate	7/7/2010											
			Issue Date	6/24/2014											
5	LENSAR.	LLC	Recorded Owner	LENSAR, LLC	Ì										
	Expired	,	Status	Issued											
Rejection issued July 14, 2016. Initial Response Due Date: Oct. 14, 2016 – Drop Dead Due Date January 14, 2017			Comments	Expires 7/7/2030 (+250	days)	4 year maint. fee due by	6/24/2018	Claims priority of Prov. Appl.	No. 61/228,484	Assignment	recorded for the	provisional	application on	9/8/10 at Reel	922-925

Country	LENSAR Number	Title	Application/Patent Number	te	Issue Date		
Sn	LR-9	System and Method for Performing a Ladar Assisted Capsulotomy	Prov. Appl. No. 61/228,506	7/24/2009			LENSAR, Expired
Sn	LR-9a	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		0 6/18/2013	

	T SD
	LR-8
Method for Astigmatic Corrections in Association with Cataract Treatment	Laser System and Method for Astigmatic Corrections in Association with Cataract Treatment Laser System and
12/831,845 Patent No. 8,382,745	Prov. Appl. No. 61/228,514 Appl. No.
	7/7/24/2009
	2/26/2013
LLC	LENSAR, LLC LENSAR,
	Expired Issued
days) 8 year maint. fee due by 2/26/2020 Claims priority of Prov. Appl. No. 61/228,514 assignment recorded for provisional	Expires

Sn			US	<u>Ω</u>	S	us	US	US
S			S	Country	8	S	S	S
LR-12			LR-11a	LENSAR Number	LR-11	LR-10b	LR-10a	LR-10
Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis		of Suction Ring in Ophthalmic Applications	Purkinjie Image- Based Alignment	Title	Purkinjie Image- Based Alignment of Suction Ring in Ophthalmic Applications	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Servo Controlled Docking Force Device for Use in Ophthalmic Applications	Servo Controlled Docking Force Device for Use in Ophthalmic Applications
Prov. Appl. No. 61/300,129		Publ. No. 20110187995 Pat No. 8,556,425	Appl. No. 13/017,702	Application/Patent Number	Prov. Appl. No. 61/300,125	Appl. No. 13/016,593 Publ. No. 20110190739	Prov. Appl. No. 61/300,167	Prov. Appl. No. 61/299,536
2/1/2010			1/31/2011	Filing Date	2/1/2010	1/28/2011	2/1/2010	1/29/2010
			10/15/2013	Issue Date				
LENSAR, LLC			LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC
Expired			Issued	Status	Expired	Abandoned	Expired	Expired
	Claims priority of Prov. Appl. No. 61/300,125	4 year maint. fee due by	Expires 1/31/2031	Comments		Assignement filed in provisionals 10 & 10a to which priority is claimed		

S	US	Country	OS US
LR-12d	LR-12c	I ENSAR Number	LR-12a
System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal incisions	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Title	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal incisions System and Method for Correcting Astigmatism Using Multiple Paired Arcuate Laser Generated Corneal Incisions
Appl. No. 13/427,130 Publ. No. 20120265181	Appl. No. 13/017,499 Publ. No. 20110190740	Application/Patent Number	Prov. Appl. No. 61/467,622 Prov. Appl. No. 61/467,592
3/22/2012	1/31/2011	Filing Date	3/25/2011
		Issue Date	
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC LENSAR, LLC
Pending	Abandoned	Status	Expired
Response to Non- Final Office Action filed: 10/24/2016	Claims priority of Prov. Appl. No. 61/300,129	Comments	

Country	LR-13	Laser System for Treatment of the Eye	Application/Patent Number Appl. No. 29/377,018 Patent No. D 695,408	Filing Date 10/15/2010	Issu 12/10	Issue Date 12/10/2013	Date Recorded Owner)/2013 LENSAR, LLC	
			695,408					
US	LR-14	Laser System for Treatment of the Eye	Appl. No. 29/377,054 Patent No. D694,890	10/15/2010	12)	12/3/2013	3/2013 LENSAR, LLC	
US	LR-15	System and Method of Laser Scan Controlled Illumination of Structures Within an Eye	Prov. Appl. No. 61/455,178	10/15/2010			LENSAR, LLC	LENSAR, Expired LLC
Sn	LR-15a	System and Method of Laser Scan Controlled Illumination of	Appl. No. 13/273,653 Patent. No. 8,801,186	10/1/2011		8/12/2014	12/2014 LENSAR, LLC	

Date: 2/25/2017					Corneal Incisions		
Response Due					Laser Generated		
Drop Dead					Paired Arcuate		
					Using Multiple		
8/25/2016				20120296321	Astigmatism		
Issued:				Publ. No.	Correcting		
Office Action		LLC		13/427,149	Method for		
Non-Final	Pending	LENSAR,	3/22/2012	Appl. No.	_	LR-12e	US

US	us	US	Country	
LR-16	LR-15a-2	LR-15a-1	LENSAR Number	
System and Method for Laser Generated Corneal and Crystalline Lens Incisions Using a Variable F/# Optical System with Aspheric Contact Interface to the Cornea	System and Method of Scan Controlled Illumination of Structures Within an Eye	System and Method of Laser Scan Controlled Illumination of Structures Within an Eye	Title	Structures Within an Eye
Prov. Appl. No. 61/470,734	Appl. No. 15/013,360 Published – 8/4/2016, Publication No. 2016-0220113	Appl. No. 14/335,187 Publ. No. 2015/0022779 Patent No. 9,271,645	Application/Patent Number	
4/1/2011	2/2/2016	7/18/2014	Filing Date	
		3/1/2016	Issue Date	
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	Recorded Owner	
Expired	Pending	Issued	Status	
	Awaiting first Office Action		Comments	Claims priority of Prov. Appl. No. 61/455,178

Application/Patent Filing Date Number Appl. No. 3/30/2012 13/435,103 Publ. No. 20120271286	Application/Patent Number Appl. No. Ser 13/435,103 Publ. No. 20120271286 as g a	Application/Patent Riling Date Issue Date Number 3/30/2012 Appl. No. 3/30/2012 Ser 13/435,103 Publ. No. 20120271286 as g a
7/30/2012	Filing Date Issue Date 3/30/2012	Filing Date Issue Date Recorded Status Owner LENSAR, Pending LLC
		Recorded Status Owner LENSAR, Pending LLC

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									LR-16a
Adaptive Optics	with Rotating and	Optical System	Variable F/#	Incisions Using a	Crystalline Lens	Corneal and	Generated	Method for Laser	System and
								61/550,101	Prov. Appl. No.
									10/21/2011
								_	I
								LLC	CENSAR,
									Expired

	Expired	LENSAR, LLC		7/29/2013	Appl. No. 61/859,725	Patient Interface Device for Ophthalmic Laser Procedures	LR-19	US
Awaiting first Office Action	Pending	LENSAR, LLC		7/28/2014	Appl. No. 14/444,311 Publ. No. 2015/0032091	Second Pass Femtosecond Laser for Incomplete Laser Full or Partial Thickness Corneal Incisions	LR-18a	Sn
	Expired	LENSAR, LLC		7/29/2013	Appl. No. 61/859,737	Second Pass Femtosecond Laser for Incomplete Laser Full or Partial Thickness Corneal Incisions	LR-18	Sn
Comments	Status	Recorded Owner	Issue Date	Filing Date	Application/Patent Number	Title	LENSAR Number	Country
CIP of 17a	Pending	LENSAR, LLC		6/2/2015	Appl. No. 14/728,760 Publication No. 2016- 0081853	System and Method for Measuring Tilt	LR-17b	US
Final Rejection mailed November 3, 2016. Drop Dead Response Due Date: May 3, 2016.	Pending	LENSAR, LLC		3/22/2012	Appl. No. 13/427,319 Publ. No. 20120330290	System and Method for Measuring Tilt in the Crystalline Lens for Laser Phaco Fragmentation	LR-17a	US

											-	Lancaca e e e e e e e e e e e e e e e e e e
				US							US	Country
				LR-22							LR-21	LENSAR Number
Lens	Conditions of the	Addressing	and Systems for	Laser Methods	Amplitute	Accommodative	Increasing	Defined Zones for 2014/03278955	Provide Excluded	Systems to	Methods and	Title
			62/148,614	Appl. No.				2014/03278955	Publ. No.	14/224,012	Appl. No.	Application/Patent Number
				4/16/2015							3/24/2014	Filing Date Issue Date Recorde Owner
												Issue Date
			LLC	LENSAR,						LLC	LENSAR,	
				Expired							Pending	Status
	process	assignment in	improvements;	Streamline		2/17/2016	due date:	Initial response	11/17/2016.	Action issued:	Non-Final Office	Comments

				No. US 2015- 0105759 A1			
Non-Final Office Action filed 8/11/2016	rending	LENSAK, LLC	1/28/2014	14,366 H4,366 lished 5/2015 lication	Method and System	LX-20a	Ö
 	Expired	LENSAR, LLC	10/15/2013		Iris Registration Method and System	LR-20	US
Final Rejection Issued: 8/16/2016 Drop Dead Response Due Date: 2/16/2017	Pending	LENSAR, LLC	7/28/2014	Appl. No. 14/444,339 Publication No. US 2015- 0088175	Patient Interface Device for Ophthalmic Laser Procedures	LR-19a	us

	US	US	untry		US	PCT LI	
			LENSAR Number		LR-23	CR-22a PCT	
Corneal Incisions	System and Method for Creating Sealed Single and Multi- Planar Clear	Method of Conducting and Monitoring Refractive Corrections	Lifte	Patient Interface Device for Laser Methods and Systems	Laser Methods and Systems for Addressing Conditions of the Lens and Inserting Intraocular Lenses	Laser Methods and Systems for Addressing Conditions of the Lens	Addressing Conditions of the Lens
	Prov. Appl. No. 61/549,910	Prov. Appl. No. 61/550,225	Application/Patent Number	Prov. Appl. No. 62/319,728	Prov. Appl. No. 62/393,560	Appl. No. PCT/US16/0279 80	Publication No. US 2016- 0302971
	10/21/2011	10/21/2011	•	4/7/2016	9/12/2016	4/15/2016	
			Issue Date				
	LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	
	Expired	Expired	Status	Pending	Pending	Pending	
			Comments			ISR/WO Issued: 9/8/2016	

CA	AU	Country	PCT	PCT
		LENSAR Number	LR-19a PCT	LR-8b PCT
Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Title	Patient Interface Device for Ophthalmic Laser Procedures	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment
Appl. No. 2769065	Appl. No. 2010274172	Application/Patent Number	Appl. No. PCT/US2014/048471	Appl. No. PCT/US2010/041324 Publ. No. WO/2011/011205
7/8/2010	7/8/2010	Filing Date	7/28/2014	7/8/2010
		Issue Date		
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC
Abandoned	Abandoned	Status	Pending	Completed
		Comments		

EPO	EPO	Country
	LR-8a EP	LR-8 CN LENSAR
Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment
Appl. No. 13185221.2 Publ. No. EP2676645	Appl. No. 10802656.8 Publ. No. EP2456401	Appl. No. 201080042338.3 Publ. No. 102625684A Patent No. 201080042338.3 Application/Patent Number
9/19/2013	7/8/2010	7/8/2010 Filing Date
		12/10/2014 Issue Date
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC
Abandoned	Abandoned	Issued Status
Divisional application of European Application 10802656.8		Comments

8	CA	ΑU	Country	PCT	JP
LR-7a CN	LR-7a CA	LR-7a AU	LENSAR Number	LR-7a PCT	
Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Title	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	Laser System and Method for: Correction of Induced Astigmatism and Astigmatic Correction in Association with Cataract Treatment
Appl. No. 201080042778.9 Publ. No. 102639088A Patent No. 201080042778.9	Appl. No. 2769059	Appl. No. 2010274169	Application/Patent Number	Appl. No. PCT/US2010/041286 Publ. No. WO/2011/011202	Appl. No. 2012- 521668
7/8/2010	7/8/2010	7/8/2010	Filling Date	7/8/2010	
8/20/2014			Issue Date		
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC
Issued	Abandoned	Abandoned	Status	Completed	Abandoned
			Comments		

Issued	LENSAR, LLC	8/22/2012	4/15/2011	Appl. No. 201130076493.4 Design No. 201130076493.4	Laser System for Treatment of the Eye	LR-13 CN	CN
Registered	LENSAR, LLC	12/7/2011	9/6/2011	Appl. No. 142171 Design No. 142171	Laser System for Treatment of the Eye	LR-13a CA	CA
Registered	LENSAR, LLC	12/7/2011	4/14/2011	Appl. No. 140171 Design No. 140171	Laser System for Treatment of the Eye	LR-13 CA	CA
Registered	LENSAR, LLC	5/16/2011	4/15/2011	Appl. No. 11690/2011 Design Reg. No. 336556	Laser System for Treatment of the Eye	LR-13 AU	ΑU
Status	Recorded Owner	Issue Date	Filing Date	Application/Patent Number	Title	LENSAR	Country
Registered	LENSAR, LLC	5/16/2011	4/15/2011	Appl. No. 11689/2011 Design Reg. No. 336555	Laser System for Treatment of the Eye	LR-13a AU	AU
 Abandoned	LENSAR, LLC			Appl. No. 2012- 521667	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	LR-7a JP	JP
 Issued	LENSAR, LLC	9/7/2016	7/8/2010	Appl. No. 10802654.3 Publ. No. EP2456400	Laser System and Method for Performing and Sealing Corneal Incisions in the Eye	LR-7a EP	EPO

CA	AU	P		JP	JP	<u> </u>	匝
A	U	PCT	Country		,	EPO	EPO
LR-6a CA	LR-6a AU	LR-6a PCT	LENSAR Number	LR-13a JP	LR-13 JP	LR-13a EP	LR-13 EP
Liquid Holding Interface Device for Ophthalmic Laser Procedures	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Title	Laser System for Treatment of the Eye	Laser System for Treatment of the Eye	Laser System for Treatment of the Eye	Laser System for Treatment of the Eye
Appl. No. 2769091	Appl. No. 2010276360	Appl. No. PCT/US2010/042582 Publ. No. WO/2011/011400	Application/Patent Number	Appl. No. 8726/2011 Patent No. 1427247	Appl. No. 8725/2011 Patent No. 1427246	Appl. No. 001851445-0002 RCD No. 001851445-0002	Appl. No. 001851445 RCD No. 001851445-0001
7/20/2010	7/20/2010	7/20/2010	Filing Date	4/15/2011	4/15/2011	4/14/2011	4/14/2011
			Issue Date	10/14/2011	10/14/2011	4/14/2011	4/14/2011
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC
Abandoned	Abandoned	Completed	Status	Issued	Issued	Registered	Registered
			Comments				

JP LR-6a JP	United LR-6a GB Kingdom	Country LENSAR Number	Italy LR-6a IT	Germany LR-6a DE	France LR-6a FR		EPO LR-6a EP
Liquid Holding Interface Device for Ophthalmic Laser Procedures	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Title	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Liquid Holding Interface Device for Ophthalmic Laser Procedures	Liquid Holding Interface Device for Ophthalmic Laser Procedures	for Ophthalmic Laser Procedures	Liquid Holding Interface Device
Appl. No. 2012521729	10802768.1	Application/Patent Number	10802768.1	10802768.1	10802768.1	10802768.1 Patent No. EP2456402	Appl. No.
	7/20/2010	Filing Date	7/20/2010	7/20/2010	7/20/2010	112012010	
	8/20/2014	Issue Date	8/20/2014	8/20/2014	8/20/2014	8/20/2014	֡
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	1
Abandoned	Issued	Status	Issued	Issued	Issued	Issued	•
		Comments					

S	PCT	Country	HK	EPO	2	PCT
LR-11a CN	LR-11a PCT	y LENSAR Number	LR-12 HK	LR-12 EP	LR-12 CN	LR-12 PCT
Purkinjie Image- Based Alignment of Suction Ring in Ophthalmic Applications	Purkinjie Image- Based Alignment of Suction Ring in Ophthalmic Applications	Title	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis	Placido Ring Measurement of Astigmatism Axis and Laser Marking of Astigmatism Axis
Appl. No. 201180007877.8	Appl. No. PCT/US2011/023159 Publ. No. WO/2011/094678	Application/Patent Number	Appl. No. 13101561.2	Appl. No. 11737806.7 Publ. No. EP2531090	Appl. No. 201180007921.5	Appl. No. PCT/US2011/023117 Publ. No. WO/2011/094666
1/31/2011	1/31/2011	Filing Date	2/4/2013	1/31/2011	1/31/2011	1/31/2011
		Issue Date				
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC
Abandoned	Completed	Status	Abandoned	Abandoned	Abandoned	Completed
		Comments				

						Eye		
					WO/2007/084694	Laser Beam to		
					Publ. No.	Delivering a		
		LLC			PCT/US2007/001486	Apparatus for	PCT	
	Converted	LENSAR,		1/19/2007	Appl. No.	System and	LR-1b	PCT
						Applications		
						Ophthalmic		
						Device for Use in		
		LLC			13101562.1	Docking Force	HK	
	Abandoned	LENSAR,		2/4/2013	Appl. No.	Servo Controlled	LR-10b	HK
		Owner			Number		Number	
Comments	Status	Recorded	Issue Date	Filing Date	Application/Patent	Title	LENSAR	Country
						Applications		
					EP2528563	Ophthalmic		
					Publ. No.	Device for Use in		
		LLC			11737702.8	Docking Force	EP	
	Abandoned	LENSAR,		1/28/2011	Appl. No.	Servo Controlled	LR-10b	EPO
						Applications		
						Ophthalmic		
						Device for Use in		
		LLC			201180015126.0	Docking Force	S	
	Abandoned	LENSAR,		1/28/2011	Appl. No.	Servo Controlled	LR-10b	CN
						Applications		
					WO/2011/094493	Ophthalmic		
					Publ. No.	Device for Use in		
		LLC			PCT/US2011/022859	Docking Force	PCT	
	Completed	LENSAR,		1/28/2011	Appl. No.	Servo Controlled	LR-10b	PCT
						Applications		
						Ophthalmic		
						of Suction Ring in		
		LLC			13101560.3	Based Alignment	HK	
	Pending	LENSAR,		2/4/2013	Appl. No.	Purkinjie Image-	LR-11a	HK
						Applications		
					EP2531089	Ophthalmic		
					Publ. No.	of Suction Ring in		
	•	LLC			11737813.3	Based Alignment	EP	
	Pending	LENSAR,		1/31/2011	Appl. No.	Purkinjie Image-	LR-11a	EPO

MX	Ъ	Country	EPO	8	CN	CA
LR-1b MX	LR-1b JP	LENSAR Number	LR-1b EP	LR-1b-d CN	LR-1b CN	LR-1b CA
System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	Title	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye	System and Apparatus for Delivering a Laser Beam to the Lens of an Eye
Appl. No. MX/a/2008/009407	Appl. No. 2008- 551425	Application/Patent Number	Appl. No. 07718259.0 Publ. No. EP1981426	Appl. No. 201110205299.0 Publ. No. 102335061A	Appl. No. 200780010007.X Patent No. 200780010007.X Publ. No. 10140495.1A	Appl. No. 2637232
		Filing Date	1/19/2007	1/19/2007	1/19/2007	1/19/2007
		Issue Date		5/13/2015	9/7/2011	
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LENSAR, LLC
Abandoned	Abandoned	Status	Pending	Issued	Issued	Abandoned
		Comments		Division of Chinese Patent No. 200780010007X		

		CONTRACTOR OF COMME						
Country	LENSAR	Title	Application/Patent	Filing Date	Issue Date	Recorded	Status (Comments
	Number		Number			Owner		
EPO	LR-12e	System and	Appln No.	3/23/2012		LENSAR,	Abandoned	
	ΕP	Method for	12765501.7			LLC		
		Correcting	Publ. No. 2688461					
		Astigmatism						
		Using Multiple						
		Paired Arcuate						
		Laser Generated						
		Corneal Incisions						
PCT	LR-1a	System and	Appl. No.	1/19/2007		LENSAR,	Completed	
	PCT	Method for	PCT/US2007/001353			LLC		
		Improving the	Publ. No.					
		Accommodative	WO/2007/084627					
		Amplitude and						
		Increasing the						
		Refractive Power						
		of the Human						
		Lens with a Laser						

					Corneal Incisions		
					Laser Generated		
					Paired Arcuate		
					Using Multiple		
					Astigmatism		
				Pub. No. 103501687	Correcting		
	LLC			201280014253.3	Method for	2	
Issued	6 LENSAR,	10/12/2016	3/23/2012	Appln No.	System and	LR-12e	CN
					Corneal Incisions		
					Laser Generated		
					Paired Arcuate		
					Using Multiple		
				WO/2012/134979	Astigmatism		
				Publ. No.	Correcting		
	LLC			PCT/US2012/030247	Method for	PCT	
Completed	LENSAR,		3/23/2012	Appl. No.	System and	LR-12e	PCT
					of an Eye		
				WO/2007/084579	Treating the Lens		
	LLC			Publ. No.	Apparatus for		
Completed	LENSAR,		1/18/2007	PCT/US2007/001262	System and	LR-1 PCT	PCT

8	S	Country	AU	CA
LR-1a-a CN	LR-1a CN	I ENSAR Number	LR-1a AU	LR-1a CA
System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Title	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	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	Appl. No. 200780009762.6 Patent No. 20078001007.X	Application/Patent Number	Appl. No. 200707513	Appl. No. 2637206
1/19/2007	1/19/2007	Filing Date	1/19/2007	1/19/2007
6/4/2014	9/19/2011	Issue Date		
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC
Issued	Issued	Status	Abandoned	Abandoned
		Comments		

MX	J.	Country	EPO	2
LR-1a MX	LR-1a JP	LENSAR Number	LR-1a EP	LR-1a-b CN
System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	Тиве	System and Method for Improving the Accommodative Amplitude and Increasing the Refractive Power of the Human Lens with a Laser	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	Appl. No. 2008551393	Application/Patent Number	Appl. No. 07718200.4 Publ. No. EP1981454	Appl. No. 201110314451.9 Patent No. 201110314451.9
		Filing Date	1/19/2007	10/11/2011
		Issue Date		6/4/2014
LENSAR, LLC	LENSAR, LLC	Recorded Owner	LENSAR, LLC	LENSAR, LLC
Abandoned	Abandoned	Status	Pending	Issued
		Comments		

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Country	LENSAR Title	Title	Application/Patent	Filing Date	Issue Date	Recorded	Status	Comments
CN		System and	Appl. No.	3/30/2012		?~	Pending	
	CN	Method for Laser	201280017513.2		П	LLC		
		Generated	Publ. No.					
		Corneal and	103974678					
		Crystalline Lens						
		Incisions Using a						
		Variable F#						
		optical System						
		with Aspheric						
		Contact Interface						
		to the Cornea or						
		Rotating and						
		Adaptive Optics						

Method for Laser PCT/US2012/031377 Generated Publ. No. Corneal and WO/2012/135579 Crystalline Lens Incisions Using a	L No. /US2012/ . No. 2012/135
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EPO	CN	Country	PCT	
EP	LR-12d CN	LENSAR Number	PCT	
System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal Incisions	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal Incisions	Title	System and Method for Measuring and Correcting Astigmatism Using Laser Generated Corneal Incisions	Incisions Using a Variable F# optical System with Aspheric Contact Interface to the Cornea or Rotating and Adaptive Optics
Appl. No. 12764966.3 Publ. No. 2688459	Appl. No. 201280015199.4 Publ. No. 103501686	Application/Patent Number	Appl. No. PCT/US2012/030059 Publ. No. WO/2012/134931	
3/22/2012	3/22/2012	Filing Date	3/22/2012	
		Issue Date		
LENSAR, LLC	₹,	Recorded Owner	LENSAR, LLC	
Pending	Pending	Status	Completed	
		Comments		

EPO

LR-16 EPO

System and
Method for Laser
Generated
Corneal and
Crystalline Lens

Appl. No. 12765379.8 Publ. No. 2695016

3/30/2012

LENSAR, LLC

Pending

AU	PCT	Country							EPO							2						(P C
LR-9a AU	LR-9a PCT	Number							LR-17a						CN	LR-17a						PCT	LR-17a
System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	THE	Fragmentation	Phaco	Lens for Laser	the Crystalline	Measuring Tilt in	Method for	System and	Fragmentation	Phaco	Lens for Laser	the Crystalline	Measuring Tilt in	Method for	System and	Fragmentation	Phaco	Lens for Laser	the Crystalline	Measuring Tilt in	Method for	System and
Appl. No. 2010275380	Appl. No. PCT/US2010/043255 Publ. No. WO/2011/011788	Application/Fatent Number						12764431.8	Appln No.				103501720	Publ. No.	201280015211.1	Appln No.				WO/2012/134986	Publ. No.	PCT/US2012/030259	Appl. No.
7/26/2010	7/26/2010	Filling Date							3/23/2012							3/23/2012						O TO TO THE	3/23/2012
		Issue Date																					
LENSAR, LLC	LENSAR, LLC	Kecorded Owner						LLC	LENSAR,						LLC	LENSAR,						LLC	LENSAR.
Abandoned	Converted	Status						,	Pending							Pending						Compressor	Completed
		Comments																					_

Issued	LENSAR, LLC			National Validation of LR-9a EP	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	LR-9a FR	FR
Issued	LENSAR, LLC			National Validation of LR-9a EP	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	LR-9a GB	GB
Status	Recorded Owner	Issue Date	Filing Date	Application/Patent Number	Title	LENSAR Number	Country
Issued	LENSAR, LLC	7/23/2015	7/26/2010	Appl. No. 10803018.0 Publ. No. EP2456385 Grant 2456385	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	LR-9a EP	EPO
Issued	LENSAR, LLC	10/21/2015	7/26/2010	Appl. No. 201080042503.5 Publ. No. 102639078A Patent Pub. No. 102639078B	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	LR-9a CN	CN
Abandoned	LENSAR, LLC		7/26/2010	Appl. No. 2769097	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	LR-9a CA	CA

Country	LENSAR	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status	Comments
AU	LR-1d	System and	•	7/23/2010		R,	Abandoned	
	AU	Method for	2010275482			LLC		
		Providing Laser						
		Shot Patterns to						
		the Lens of an						
		Eye						
CA	LR-1d	System and	Appl. No.	7/23/2010		LENSAR,	Abandoned	
	CA	Method for	CA2769090			LLC		
		Providing Laser						
		Shot Patterns to						
		the Lens of an						
		Eye						
CN	LR-1d	System and	Appl. No.	7/23/2010	1/2/2016	LENSAR,	Issued	
	CN	Method for	201080042744.X			LLC		
		Providing Laser	Publ. No.					
		Shot Patterns to	102647954A					
		the Lens of an	Patent Pub.					
		Eye	No.					
			102647954B					

PCT	JP	DE
LR-1b PCT	LR-9a JP	LR-9a DE
System and Method for Providing Laser Shot Patterns to the Lens of an Eye	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye	System and Method for Performing Ladar Assisted Procedures on the Lens of an Eye
Appl. No. PCT/US2010/043117 Publ. No. WO/2011/011727	Appl. No. 2012521878	National Validation of LR-9a EP
7/23/2010	7/26/2010	
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC
Completed	Abandoned	Issued

Method for 108/2983.6 LENSAK, Method for Publ. No. Publ. No. Method for Publ. No. Method for Publ. No. Method for Method for Publ. No. Method for Publ. No. Method for Mumber Method for Method of Scan						CN1035300720	Structures Within an Eye		
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Country	LENSAR Number	Title	Application/Patent Number	Filing Date	Issue Date	Recorded Owner	Status	Comments
EPO	LR-18a	Second Pass	Appl. No.	7/29/2014		LENSAR,	Abandoned	
	EP	Femtosecond	14178969.3			Inc,		
		Laser for	Publ. No. EP					
		Incomplete Laser	2837367					
		Full or Partial						
		Thickness Corneal						
CN	LR-18a	Second Pass	Appl. No.	7/29/2014		LENSAR,	Pending	
	CN	Femtosecond	201410366682.8			LLC		
		Laser for						
		Incomplete Laser						
		Full or Partial						
		Thickness Corneal						
		Incisions						
EPO	LR-19a	Patient Interface	Appl. No.	2/26/2016		LENSAR,	Pending	
	EP	Device for	14831847.0			LLC		
		Ophthalmic Laser	Publ. No. EP					
		Procedures	3027153					

PCT LR-20a PCT	EPO LR-20a EP	CN LR-20a CN	ΕP
Iris Registration Method and System	Iris Registration Method and System	Iris Registration Method and System	Method of Scan Controlled Illumination of Structures Within an Eye
PCT/US2015/042381	Appl. No. 14182248.6	Appl. No. 201410425964.0	11833457.2 Publ. No. EP2627240
7/28/2015	8/26/2014	8/26/2014	
LENSAR, LLC	LENSAR, LLC	LENSAR, LLC	LLC
Pending	Pending	Pending	

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