

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM498610

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Biolase, Inc.		11/09/2018	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	SWK Funding LLC, as Agent		
Street Address:	14755 Preston Rd., Suite 105		
City:	Dallas		
State/Country:	TEXAS		
Postal Code:	75254		
Entity Type:	Limited Liability Company: DELAWARE		
PROPERTY NUMBERS Total: 21			
Property Type	Number	Word Mark	
Registration Number:	3521567	WATERLASE DENTISTRY	
Registration Number:	3463347	EZTIPS	
Registration Number:	3595452	COMFORTPULSE	
Registration Number:	3587923	WATERLASE MD	
Registration Number:	5292447	WATERLASE EXPRESS	
Registration Number:	5292538	EPIC PRO	
Registration Number:	3513413	ZIPTIP	
Registration Number:	2535143	BIOLASE	
Registration Number:	3822549	WATERLASE DENTISTRY	
Registration Number:	3454749	EZLASE	
Registration Number:	4448330	EPIC	
Registration Number:	3489443	EZLASE	
Registration Number:	4081050	IPLUS	
Registration Number:	4099882	I-LASE	
Registration Number:	2660361	WATERLASE	
Registration Number:	3711090	WORLD CLINICAL LASER INSTITUTE	
Registration Number:	3768531	WCLI	
Serial Number:	88105359	BIOLASE ADVANCING DENTISTRY	
Serial Number:	88105357	BIOLASE ADVANCING DENTISTRY	

OP \$540.00 3521567

Property Type	Number	Word Mark
Serial Number:	88105217	WATERLASE LASER DENTISTRY
Serial Number:	88105219	WATERLASE LASER DENTISTRY

CORRESPONDENCE DATA

Fax Number: 2149649501

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: 2149649416

Email: maureen.drews@hkllaw.com

Correspondent Name: Richard Sparr

Address Line 1: Holland & Knight LLP

Address Line 2: 200 Crescent Court, Suite 1600

Address Line 4: Dallas, TEXAS 75201

NAME OF SUBMITTER: Richard Sparr

SIGNATURE: /Richard Sparr/

DATE SIGNED: 11/16/2018

Total Attachments: 19

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of November 9, 2018 (as may be amended, restated, supplemented, or otherwise modified from time to time, this “**Agreement**”), made by BIOLASE, INC., A DELAWARE corporation (individually and collectively, jointly and severally, the “**Grantor**”), in favor of SWK FUNDING LLC, a Delaware limited liability company, as agent (in such capacity, “**Agent**”) for the Lenders (as defined below) party to the Credit Agreement (as defined below).

W I T N E S S E T H:

WHEREAS, pursuant to that certain Credit Agreement, dated on or about the date hereof (as amended, restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”), by and among Biolase, Inc., a Delaware corporation (the “**Borrower**”) Agent and the financial institutions party thereto from time to time as lenders (each a “**Lender**” and collectively, the “**Lenders**”), Agent and Lenders have agreed to make certain financial accommodations available to Borrower, and Grantor has granted a security interest to Agent, for the benefit of Agent and Lenders, in, among other things, all right, title and interest of Grantor in, to and under all of Grantor’s Intellectual Property (as defined below), whether now existing or hereafter arising or acquired as security for the Obligations; and

WHEREAS, Grantor is the owner of the entire right, title and interest in, to and under the trademarks, patents and copyrights (the “**Intellectual Property**”) listed on Schedule I hereto, as applicable, which are pending or registered at the United States Patent and Trademark Office or United States Copyright Office.

NOW, THEREFORE, in consideration of the premises and to induce Agent and Lenders to enter into the Credit Agreement, Grantor hereby agrees with Agent as follows:

1. Defined Terms.

(a) Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided in the Credit Agreement.

(b) Other Definitional Provisions.

(i) The words “hereof,” “herein” and “hereunder” and words of similar import when used in this Agreement shall refer to this Agreement as a whole and not to any particular provision of this Agreement, and section and paragraph references are to this Agreement unless otherwise specified.

(ii) The meanings given to terms defined herein shall be equally applicable to both the singular and plural forms of such terms.

2. Grant of Security Interest. To secure the payment and performance of the Obligations, Grantor hereby confirms and acknowledges that it has granted (and, to the extent not previously granted under the Guarantee and Collateral Agreement, does hereby grant) to Agent, for the benefit of Agent and Lenders, a lien and security interest in Grantor’s entire right, title and interest in its Intellectual Property and all proprietary rights relating to or arising from such Intellectual Property, in each case whether now owned or hereafter acquired by Grantor, and including, without limitation, Grantor’s right, title and interest in and to the Intellectual Property and proprietary rights identified on Schedule I attached hereto and made a

part hereof, and the right to sue for past, present and future infringements and dilutions, and all rights corresponding thereto throughout the world, and the entire goodwill of Grantor's business connected with and symbolized by such Intellectual Property and all income, fees, royalties, proceeds and other payments at any time due or payable with respect to any of the foregoing (referred to collectively as the "IP Collateral"); provided, that the IP Collateral shall not include the Excluded Property (as defined in the Guarantee and Collateral Agreement).

3. **No Violation of Credit Agreement.** The representations, warranties or covenants contained herein are supplemental to those representations, warranties and covenants contained in the other Loan Documents, and shall not be deemed to modify any such representation, warranty or covenant contained in any other Loan Document.

4. **Agreement Applies to Future Intellectual Property.**

(a) The provisions of this Agreement shall automatically apply to any such additional property or rights described in Section 2 above, all of which shall be deemed to be and treated as "IP Collateral" within the meaning of this Agreement.

(b) Upon the request of Agent, Grantor shall execute and deliver, and have recorded, any and all agreements, instruments, documents and papers as Agent may reasonably request to evidence Agent's security interest in any IP Collateral and the goodwill of Grantor relating thereto or represented thereby (including, without limitation, filings with the United States Patent and Trademark Office or the United States Copyright Office), and Grantor hereby constitutes Agent as its attorney-in-fact to execute and file all such writings for the foregoing purposes, all acts of such attorney being hereby ratified and confirmed; provided, however, that Agent's taking of such action shall not be a condition to the creation or perfection of the security interest created hereby.

5. **Rights Upon Default.** Upon the occurrence and during the continuance of any Event of Default, Agent may exercise all rights and remedies as provided for in the Credit Agreement.

6. **No Limitation; Loan Documents.** This Agreement has been executed and delivered by Grantor for the purpose of recording the security interest granted to Agent with respect to the IP Collateral with the United States Patent and Trademark Office, and the United States Copyright Office. The security interest granted hereby has been granted as a supplement to, and not in limitation of, the security interest granted to Agent, for the benefit of Agent and Lenders, under the Guarantee and Collateral Agreement and the other Loan Documents. The other Loan Documents (and all rights and remedies of Grantor, Agent, and Lenders thereunder) shall remain in full force and effect in accordance with their terms.

7. **Termination; Release of IP Collateral.** This Agreement and all obligations of Grantor and Agent hereunder shall terminate on the date upon which the Obligations are performed in full and Paid in Full. Upon termination of this Agreement, Agent shall, at the expense of the Grantor, take such actions required by the Credit Agreement or the Guarantee and Collateral Agreement or as otherwise reasonably requested by Grantor to release its security interest in the IP Collateral.

8. **Binding Effect; Benefits.** This Agreement shall be binding upon Grantor and its successors and assigns, and shall inure to the benefit of Agent, Lenders and their respective successors and assigns.

9. **GOVERNING LAW. THIS AGREEMENT SHALL BE A CONTRACT MADE UNDER AND GOVERNED BY THE INTERNAL LAWS OF THE STATE OF NEW YORK APPLICABLE TO CONTRACTS MADE AND TO BE PERFORMED ENTIRELY WITHIN**

SUCH STATE, WITHOUT REGARD TO CONFLICT OF LAWS PRINCIPLES (OTHER THAN SECTION 5-1401 AND SECTION 5-1402 OF THE NEW YORK GENERAL OBLIGATIONS CODE).

10. **Counterparts.** This Agreement may be executed in any number of counterparts and by the different parties hereto on separate counterparts and each such counterpart shall be deemed to be an original, but all such counterparts shall together constitute but one and the same Agreement. Receipt by facsimile machine or in “.pdf” format through electronic mail of any executed signature page to this Agreement shall constitute effective delivery of such signature page and shall be treated in all manner and respects and for all purposes as an original agreement and shall be considered to have the same binding legal effect as if it were the original signed version thereof delivered in person.

11. **Copy of Agreement.** Grantor acknowledges receipt of a signed copy of this Agreement.

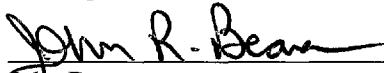
18. **Conflicting Terms.** In the event of any conflict or inconsistency between the terms of this Agreement and the terms of the Credit Agreement or the Guarantee and Collateral Agreement, as the case may be, the terms of the Credit Agreement or the Guarantee and Collateral Agreement, as applicable, shall control.

[Remainder of page intentionally blank; signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be executed by its duly authorized representatives as of the date first above written.

GRANTOR:

BIOLASE, INC.,
a Delaware corporation

By: 
Name: John Beaver
Title: Chief Financial Officer

[Signature Page to IP Security Agreement]

#61349726

TRADEMARK
REEL: 006483 FRAME: 0506

AGENT:

SWK FUNDING LLC

By: SWK Holdings Corporation,
its sole Manager

By: 

Name: Winston Black

Title: Chief Executive Officer

Schedule I

(Separately Attached)



[Schedule I to Intellectual Property Security Agreement]

#61349726

TRADEMARK
REEL: 006483 FRAME: 0508

Trademarks

Mark	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
BIOLASE ADVANCING DENTISTRY	United States of America	88/105,359 2018-09-05		Biolase, Inc.
BIOLASE ADVANCING DENTISTRY	United States of America	88/105,357 2018-09-05		Biolase, Inc.
WATERLASE LASER DENTISTRY	United States of America	88/105,217 2018-09-05		Biolase, Inc.
WATERLASE LASER DENTISTRY	United States of America	88/105,219 2018-09-05		Biolase, Inc.
WATERLASE DENTISTRY	United States of America	77/179,623 2007-05-13	3,521,567 2008-10-21	Biolase, Inc.
EZTIPS	United States of America	77/115,385 2007-02-24	3,463,347 2008-07-08	Biolase, Inc.
COMFORTPULSE	United States of America	77/152,392 2007-04-09	3,595,452 2009-03-24	Biolase, Inc.
WATERLASE MD	United States of America	77/185,280 2007-05-18	3,587,923 2009-03-10	Biolase, Inc.
WATERLASE EXPRESS	United States of America	87/103,870 2016-07-14	5,292,447 2017-09-19	Biolase, Inc.
EPIC PRO	United States of America	87/124,429 2016-08-02	5,292,538 2017-09-19	Biolase, Inc.
ZIPTIP	United States of America	77/185,283 2007-05-18	3,513,413 2008-10-07	Biolase, Inc.

Mark	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
BIOLASE	United States of America	75/225,134 1997-01-13	2,535,143 2002-02-05	Biolase, Inc.
WATERLASE DENTISTRY	United States of America	77/570,444 2008-09-15	3,822,549 2010-07-20	Biolase, Inc.
EZLASE	United States of America	77/115,378 2007-02-23	3,454,749 2008-06-24	Biolase, Inc.
EPIC	United States of America	85/515,251 2012-01-12	4,448,330 2013-12-10	Biolase, Inc.
EZLASE (STYLIZED) 	United States of America	77/115,446 2007-02-24	3,489,443 2008-08-19	Biolase, Inc.
IPLUS	United States of America	85/140,216 2010-09-28	4,081,050 2012-01-03	Biolase, Inc.
ILASE (STYLIZED) 	United States of America	85/140,266 2010-09-28	4,099,882 2012-02-14	Biolase, Inc.
WATERLASE	United States of America	76/136,329 2000-09-26	2,660,361 2002-12-10	Biolase, Inc.
WORLD CLINICAL LASER INSTITUTE	United States of America	77/567,196 2008-09-10	3,711,090 2009-11-17	Biolase, Inc.
WCLI	United States of America	77/567,208 2008-09-10	3,768,531 2010-03-30	Biolase, Inc.

Patents

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
FRACTIONAL HANDPIECE SYSTEM	United States of America	16/113,803 08/27/2018		Biolase, Inc.
DISPLAY SCREEN INCLUDING A DENTAL LASER GRAPHICAL USER INTERFACE	United States of America	29/658,791 08/02/2018		Biolase, Inc.
SURGICAL LASER CUTTING DEVICE	United States of America	15/968,530 05/01/2018		Biolase, Inc.
LASER SYSTEMS, WITH A FIBER STORAGE AND DISPENSING UNIT, USEFUL IN MEDICINE AND DENTISTRY	United States of America	95/002,271 09/14/2012		Biolase Technology, Inc.
DENTAL LASER INTERFACE SYSTEM AND METHOD	United States of America	14/666,287 03/23/2015	9,864,485 01/09/2018	Biolase, Inc.
EYELID TREATMENT DEVICE	United States of America	13/837,983 03/15/2013	10,039,932 08/07/2018	Biolase, Inc.
SYSTEMS AND METHODS FOR DISRUPTION OF AN EYE LENS	United States of America	13/633,505 10/02/2012	9,060,845 06/23/2015	Biolase, Inc.
SURGICAL LASER CUTTING DEVICE	United States of America	13/633,967 10/03/2012	9,956,039 05/01/2018	Biolase, Inc.
HIGH POWER RADIATION SOURCE WITH ACTIVE-MEDIA HOUSING	United States of America	12/912,680 10/26/2010	8,588,268 11/19/2013	Biolase, Inc.
CONTRA-ANGLE ROTATING HANDPIECE HAVING TACTILE-	United States of America	11/904,677	7,461,982	Biolase Technology, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
FEEDBACK TIP FERRULE		09/27/2007	12/09/2008	
TISSUE REMOVER AND METHOD	United States of America	09/714,479 11/15/2000	6,669,685 12/30/2003	Biolase, Inc.
TARGET-CLOSE ELECTROMAGNETIC ENERGY EMITTING DEVICE	United States of America	11/800,435 05/03/2007	7,815,630 10/19/2010	Biolase, Inc.
MODIFIED-OUTPUT FIBER OPTIC TIPS	United States of America	12/202,373 09/01/2008	7,702,196 04/20/2010	Biolase Technology, Inc.
TARGET-CLOSE ELECTROMAGNETIC ENERGY EMITTING DEVICE	United States of America	12/907,827 10/19/2010	8,419,719 04/16/2013	Biolase, Inc.
ELECTROMAGNETIC ENERGY OUTPUT SYSTEM	United States of America	11/800,434 05/03/2007	7,695,469 04/13/2010	Biolase, Inc.
MODIFIED-OUTPUT FIBER OPTIC TIPS	United States of America	11/800,184 05/03/2007	7,421,186 09/02/2008	Biolase Technology, Inc.
ELECTROMAGNETIC ENERGY OUTPUT SYSTEM	United States of America	11/698,345 01/25/2007	9,101,377 08/11/2015	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/975,168 10/17/2007	7,967,017 06/28/2011	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/413,590 04/26/2006	7,665,467 02/23/2010	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	13/069,257 03/22/2011	8,276,593 10/02/2012	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	13/169,357 06/27/2011	8,448,645 05/28/2013	Biolase Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/973,056 10/04/2007	7,461,658 12/09/2008	Biolase Technology, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/906,889 10/04/2007	7,909,040 03/22/2011	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	13/009,266 01/19/2011	8,602,033 12/10/2013	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/978,836 10/29/2007	7,891,363 02/22/2011	Biolase, Inc.
METHODS FOR TREATING HYPEROPIA AND PRESBYOPIA VIA LASER TUNNELING	United States of America	12/975,202 12/21/2010	8,366,702 02/05/2013	Biolase, Inc.
METHODS FOR TREATING HYPEROPIA AND PRESBYOPIA VIA LASER TUNNELING	United States of America	11/410,564 04/24/2006	7,878,204 02/01/2011	Biolase, Inc.
DUAL PULSE-WIDTH MEDICAL LASER	United States of America	11/191,594 07/27/2005	7,630,420 12/08/2009	Biolase, Inc.
CARIES DETECTION USING TIMING DIFFERENTIALS BETWEEN EXCITATION AND RETURN PULSES	United States of America	11/203,399 08/12/2005	7,303,397 12/04/2007	Biolase, Inc.
FIBER TIP DETECTOR APPARATUS AND RELATED METHODS	United States of America	11/181,373 07/13/2005	7,290,940 11/06/2007	Biolase Technology, Inc.
FIBER TIP DETECTOR APPARATUS AND RELATED METHODS	United States of America	11/904,801 09/27/2007	7,575,381 08/18/2009	Biolase Technology, Inc.
TAPERED FUSED WAVEGUIDE FOR DELIVERING TREATMENT ELECTROMAGNETIC RADIATION TOWARD A	United States of America	10/705,744 11/10/2003	7,384,419 06/10/2008	Biolase Technology, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
TARGET SURFACE				
PROBES AND BIOFLUIDS FOR TREATING AND REMOVING DEPOSITS FROM TISSUE SURFACES	United States of America	12/234,593 09/19/2008	8,221,117 07/17/2012	Biolase, Inc.
DENTAL LASER GUI	United States of America	29/571,690 07/20/2016	D824,935 08/07/2018	Biolase, Inc.
DENTAL CART SYSTEM	United States of America	29/571,686 07/20/2016	D812231 03/06/2018	Biolase, Inc.
ELECTROMAGNETIC ENERGY DISTRIBUTIONS FOR ELECTROMAGNETICALLY INDUCED MECHANICAL CUTTING	United States of America	12/907,845 10/19/2010	7,970,027 06/28/2011	Biolase Technology, Inc.
ELECTROMAGNETIC ENERGY DISTRIBUTIONS FOR ELECTROMAGNETICALLY INDUCED MECHANICAL CUTTING	United States of America	11/523,492 09/18/2006	7,696,466 04/13/2010	Biolase Technology, Inc.
ELECTROMAGNETIC ENERGY DISTRIBUTIONS FOR ELECTROMAGNETICALLY INDUCED MECHANICAL CUTTING	United States of America	10/993,498 11/18/2004	7,108,693 09/19/2006	Biolase Technology, Inc.
ELECTROMAGNETIC ENERGY DISTRIBUTIONS FOR ELECTROMAGNETICALLY INDUCED MECHANICAL CUTTING	United States of America	11/606,660 11/29/2006	7,415,050 08/19/2008	Biolase Technology, Inc.
TISSUE TREATMENT DEVICE AND METHOD	United States of America	11/447,605 06/05/2006	7,751,895 07/06/2010	Biolase Technology, Inc.
RADIATION EMITTING APPARATUS WITH	United States of	11/074,452	7,270,657	Biolase Technology, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
SPATIALLY CONTROLLABLE OUTPUT ENERGY DISTRIBUTIONS	America	03/08/2005	09/18/2007	
RADIATION EMITTING APPARATUS WITH SPATIALLY CONTROLLABLE OUTPUT ENERGY DISTRIBUTIONS	United States of America	10/229,374 08/26/2002	6,942,658 09/13/2005	Biolase Technology, Inc.
HANDPIECE FINGER SWITCH FOR ACTUATION OF HANDHELD MEDICAL INSTRUMENTATION	United States of America	12/985,959 01/06/2011	8,525,059 09/03/2013	Biolase, Inc.
HANDPIECE FINGER SWITCH FOR ACTUATION OF HANDHELD MEDICAL INSTRUMENTATION	United States of America	13/956,989 08/01/2013	8,653,392 02/18/2014	Biolase, Inc.
FIBER DETECTOR APPARATUS AND RELATED METHODS	United States of America	10/029,586 10/24/2001	6,829,427 12/07/2004	Biolase Technology, Inc.
FIBER DETECTOR APPARATUS AND RELATED METHODS	United States of America	11/715,218 03/06/2007	7,356,208 04/08/2008	Biolase Technology, Inc.
DEVICE FOR DENTAL CARE AND WHITENING	United States of America	10/624,847 07/22/2003	7,144,249 12/05/2006	Biolase Technology, Inc.
SATELLITE-PLATFORMED ELECTROMAGNETIC ENERGY TREATMENT DEVICE	United States of America	12/579,890 10/15/2009	8,764,739 07/01/2014	Biolase, Inc.
METHODS AND DEVICES FOR TREATING PRESBYOPIA	United States of America	12/540,579 08/13/2009	8,479,745 07/09/2013	Biolase, Inc.
DISPOSABLE LASER HANDPIECE	United States of America	29/418,426 04/16/2012	D701,971 04/01/2014	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS WITH LOW-LEVEL LIGHT	United States of America	12/204,638 09/04/2008	8,544,473 10/01/2013	Biolase, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
THERAPY				
ELECTROMAGNETIC ENERGY OUTPUT SYSTEM	United States of America	12/632,774 12/07/2009	8,152,797 04/10/20	Biolase, Inc.
ELECTROMAGNETIC RADIATION EMITTING TOOTHBRUSH AND DENTIFRICE SYSTEM	United States of America	11/438,091 05/18/2006	7,467,946 12/23/2008	Biolase, Inc.
ELECTROMAGNETIC RADIATION EMITTING TOOTHBRUSH AND DENTIFRICE SYSTEM	United States of America	12/264,081 11/03/2008	7,942,667 05/17/2011	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	12/264,135 11/03/2008	8,056,564 11/15/2011	Biolase Technology, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/980,886 10/30/2007	7,458,380 12/02/2008	Biolase Technology, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	12/264,112 11/03/2008	7,997,279 08/16/2011	Biolase Technology, Inc.
APPARATUS FOR TREATING HYPEROPIA AND PRESBYOPIA VIA LASER TUNNELING	United States of America	13/757,169 02/01/2013	8,603,079 12/10/2013	Biolase, Inc.
METHODS FOR TREATING HYPEROPIA AND PRESBYOPIA VIA LASER TUNNELING	United States of America	11/980,887 10/30/2007	8,256,431 09/04/2012	Biolase, Inc.
METHODS FOR TREATING HYPEROPIA AND PRESBYOPIA VIA LASER TUNNELING	United States of America	11/980,889 10/30/2007	7,867,223 01/11/2011	Biolase Technology, Inc.
DUAL PULSE-WIDTH MEDICAL LASER	United States of America	12/368,266 02/09/2009	7,970,030 06/28/2011	Biolase, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
DUAL PULSE-WIDTH MEDICAL LASER	United States of America	12/028,817 02/10/2008	7,957,440 06/07/2011	Biolase, Inc.
HANDPIECES HAVING ILLUMINATION AND LASER OUTPUTS	United States of America	11/033,031 01/10/2005	7,563,226 07/21/2009	Biolase Technology, Inc.
TAPERED FUSED WAVEGUIDE FOR TEETH WHITENING	United States of America	13/209,339 08/12/2011	8,439,904 05/14/2013	Biolase Technology, Inc.
MEDICAL RADIATION DEVICE WITH A TAPERED FUSED WAVEGUIDE	United States of America	12/122,689 05/17/2008	7,998,136 08/16/2011	Biolase Technology, Inc.
FLUID CONTROLLABLE LASER ENDODONTIC CLEANING AND DISINFECTING SYSTEM	United States of America	12/142,656 06/19/2008	8,002,544 08/23/2011	Biolase, Inc.
DENTAL CART SYSTEM	United States of America	29/571,689 07/20/2016	D813,391 03/20/2018	Biolase, Inc.
ELECTROMAGNETIC ENERGY DISTRIBUTIONS FOR ELECTROMAGNETICALLY INDUCED MECHANICAL CUTTING	United States of America	12/190,797 08/13/2008	7,817,687 10/19/2010	Biolase Technology, Inc.
ROTATING HANDPIECE	United States of America	09/469,571 12/22/1999	6,389,193 05/14/2002	Biolase, Inc.
RADIATION EMITTING APPARATUS WITH SPATIALLY CONTROLLABLE OUTPUT ENERGY DISTRIBUTIONS	United States of America	11/901,839 09/18/2007	7,697,814 04/13/2010	Biolase Technology, Inc.
DEVICE HAVING ACTIVATED TEXTURED SURFACES FOR TREATING ORAL TISSUE	United States of America	11/441,788 05/25/2006	8,241,035 08/14/2012	Biolase Technology, Inc.
DEVICE FOR DENTAL	United States of	09/991,533	6,616,447	Biolase Technology, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
CARE AND WHITENING	America	11/15/2001	09/09/2003	
ELECTROMAGNETICALLY INDUCED CUTTING WITH ATOMIZED FLUID PARTICLES FOR DERMATOLOGICAL APPLICATIONS	United States of America	09/298,112 04/23/1999	6,544,256 04/08/2003	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	11/978,868 10/29/2007	8,568,392 10/29/2013	Biolase, Inc.
ELECTROMAGNETIC RADIATION EMITTING TOOTHBRUSH AND DENTIFRICE SYSTEM	United States of America	10/624,963 07/21/2003	7,261,558 08/28/2007	Biolase Technology, Inc.
DISPOSABLE LASER HANDPIECE	United States of America	29/475,593 12/04/2013	D713,538 09/16/2014	Biolase, Inc.
MULTIPLE BEAM LASER TREATMENT DEVICE	United States of America	14/610,650 01/30/2015	10,130,424 11/20/2018	Biolase, Inc.
PRE-INITIATED OPTICAL FIBERS FOR MEDICAL APPLICATIONS	United States of America	14/628,083 02/20/2015	9,788,899 10/17/2017	Biolase, Inc.
HANDPIECE ASSEMBLY FOR LASER TREATMENT DEVICE	United States of America	14/060,877 10/23/2013	9,867,997 01/16/2018	Biolase, Inc.
SYSTEM AND METHOD FOR CONTROLLING MULTIPLE LASERS USING A GRAPHICAL USER INTERFACE	United States of America	14/735,020 06/09/2015	9,696,893 07/04/2017	Biolase, Inc.
SYSTEM AND METHOD FOR CONTROLLING MULTIPLE LASERS USING A GRAPHICAL USER INTERFACE	United States of America	13/654,944 10/18/2012	9,052,805 06/09/2015	Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	13/630,971	8,827,990	Biolase, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
		09/28/2012	09/09/2014	
INITIATION SEQUENCE FOR RAMPING-UP PULSE POWER IN A MEDICAL LASER HAVING HIGH-INTENSITY LEADING SUBPULSES	United States of America	13/283,458 10/27/2011	8,821,483 09/02/2014	Biolase, Inc.
NON-CONTACT HANDPIECE FOR LASER TISSUE CUTTING	United States of America	12/626,271 11/25/2009	8,403,922 03/26/2013	Biolase, Inc.
CONTRA-ANGLE ROTATING HANDPIECE HAVING TACTILE-FEEDBACK TIP FERRULE	United States of America	11/186,619 07/20/2005	7,292,759 11/06/2007	Biolase Technology, Inc.
CONTRA-ANGLE ROTATING HANDPIECE HAVING TACTILE-FEEDBACK TIP FERRULE	United States of America	11/904,900 09/27/2007	7,578,622 08/25/2009	Biolase Technology, Inc.
DENTAL LASER INTERFACE SYSTEM AND METHOD	United States of America	15/866,173 01/09/2018		Biolase, Inc.
DENTAL SYSTEM AND METHOD	United States of America	15/851,452 12/21/2017		Biolase, Inc.
HANDPIECE ASSEMBLY FOR LASER TREATMENT DEVICE	United States of America	15/872,859 01/16/2018		Biolase, Inc.
DENTAL SYSTEM AND METHOD	United States of America	15/726,221 10/05/2017		Biolase, Inc.
PRE-INITIATED OPTICAL FIBERS AND METHODS OF MAKING THEREOF	United States of America	15/785,261 10/16/2017		Biolase, Inc.
LASER CONTROL GUI SYSTEM AND METHOD	United States of America	15/719,137 09/28/2017		Biolase, Inc.

Title	Jurisdiction	App. No./ App. Date	Reg. No./ Reg. Date	Current Owner
DENTAL LASER SYSTEM AND METHOD	United States of America	15/655,164 07/20/2017		Biolase, Inc.
SYSTEM AND METHOD FOR CONTROLLING MULTIPLE LASERS USING A GRAPHICAL USER INTERFACE	United States of America	15/642,154 07/05/2017		Biolase, Inc.
DENTAL LASER UNIT WITH COMMUNICATION LINK TO ASSISTANCE CENTER	United States of America	14/204,773 03/11/2014		Biolase, Inc.
DUAL WAVELENGTH ENDODONTIC TREATMENT	United States of America	14/160,996 01/22/2014		Biolase, Inc.
PRESSURE WAVE ROOT CANAL CLEANING SYSTEM	United States of America	14/617,593 02/09/2015		Biolase, Inc.
DUAL WAVELENGTH LASER TREATMENT DEVICE	United States of America	14/587,955 12/31/2014		Biolase, Inc.
SYSTEMS AND METHODS FOR DISRUPTION OF AN EYE LENS	United States of America	14/746,794 06/22/2015		Biolase, Inc.
METHODS FOR TREATING EYE CONDITIONS	United States of America	13/607,722 09/08/2012		Biolase, Inc.

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Ezlase	United States of America	VA0001651282 2007 01/16/2009		Biolase Technology, Inc.

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Waterlase MD photograph 7/2005	United States of America	VA0001651280 2005 01/16/2009		Biolase Technology, Inc.