

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5570569

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BIOLUX RESEARCH LIMITED	04/26/2019

RECEIVING PARTY DATA

Name:	BIOLUX RESEARCH HOLDINGS, INC.
Street Address:	18/F SHUM TOWER, 268 DES VOEUX ROAD CENTRAL
City:	HONG KONG
State/Country:	CHINA
Postal Code:	999077

PROPERTY NUMBERS Total: 52

Property Type	Number
Application Number:	11355583
PCT Number:	IB2006000358
Application Number:	11767302
PCT Number:	CA2008001188
Application Number:	12820070
Application Number:	12834601
Application Number:	13895327
Application Number:	13895330
Application Number:	14147210
Application Number:	14554404
PCT Number:	CA2009000808
Application Number:	13313830
PCT Number:	CA2010000877
Application Number:	61392809
Application Number:	13826383
PCT Number:	CA2011050639
Application Number:	15454763
Application Number:	15856831
Application Number:	61421068
Application Number:	13314006

PATENT

Property Type	Number
PCT Number:	CA2011050755
Application Number:	14965786
Application Number:	62309729
Application Number:	16230752
Application Number:	61421073
Application Number:	61635684
Application Number:	61659168
Application Number:	61745374
Application Number:	61783516
PCT Number:	CA2013050302
Application Number:	13827541
Application Number:	13866831
Application Number:	15651852
Application Number:	15858373
Application Number:	16272670
Application Number:	61894404
Application Number:	61984667
Application Number:	62045439
Application Number:	14521121
PCT Number:	CA2014000760
Application Number:	15676422
Application Number:	15858533
Application Number:	62151330
Application Number:	62309731
Application Number:	15136127
PCT Number:	CA2016050471
Application Number:	16292224
Application Number:	62560475
Application Number:	16135842
PCT Number:	CA2018051169
Application Number:	62772288
Application Number:	62779615

CORRESPONDENCE DATA

Fax Number: (202)842-7899

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

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Correspondent Name: COOLEY LLP
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Address Line 2: SUITE 700, ATTN: PATENT GROUP
Address Line 4: WASHINGTON, D.C. 20004-2400

ATTORNEY DOCKET NUMBER: BXRH 337397-2000

NAME OF SUBMITTER: ALLA BRUKMAN

SIGNATURE: /Alla Brukman/

DATE SIGNED: 06/13/2019

Total Attachments: 34

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IP TRANSFER AND LICENSE AGREEMENT

This **IP TRANSFER AND LICENSE AGREEMENT** (this “Agreement”) is effective as of April 26, 2019 (the “Effective Date”) by and between Biolux Research Limited, a corporation existing under the laws of British Columbia having its principal place of business at 220-825 Powell Street, Vancouver, BC V6A 1H7, Canada (“Biolux Canada”) and Biolux Research Holdings, Inc., a Delaware corporation having its principal place of business at 18/F Shum Tower, 268 Des Voeux Road Central, Hong Kong, Postal Code 999077 (“Biolux DE”). Biolux Canada and Biolux DE are hereinafter sometimes individually referred to as a “Party,” and collectively as the “Parties.”

RECITALS

WHEREAS, Biolux Canada owns the Biolux Canada IP (as defined herein), including invention(s) (“Invention(s)”) set forth in patent applications and patents included in the specific Biolux Canada IP set forth on **EXHIBIT B** attached hereto, and is a party to the Assigned Contracts (as defined herein);

WHEREAS, Biolux Canada desires to sell, assign, transfer and set over all of its right, title and interest in and to the Biolux Canada IP and the Assigned Contracts to Biolux DE;

WHEREAS, Biolux DE, its successors, legal representatives and assigns, desires to acquire Biolux Canada’s entire right, title and interest in and to the Biolux Canada IP, including the Invention(s); the patent applications and patents; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, the patent applications, patents and application(s); any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of the patent applications, patents or application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon, and to assume the Assigned Contracts and Assumed Liabilities (as defined herein); and

WHEREAS, Biolux Canada desires to obtain from Biolux DE, and Biolux DE desires to grant to Biolux Canada, a license back of certain Biolux Canada IP, subject to the terms and conditions set forth below.

AGREEMENT

NOW, THEREFORE, the Parties agree as follows:

1. **Definitions.** As used herein, the following terms will have the meaning indicated:

[REDACTED]

[REDACTED]

“Biolux Canada IP” means all Intellectual Property Rights owned or licensed by Biolux Canada, subject matter of any of the foregoing, tangible embodiments of any of the foregoing, licenses in and proceedings or filings, to and under any of the foregoing, including all rights of priority, that are used by or

otherwise necessary or useful to Biolux Canada in the conduct of the Biolux Canada's business as now conducted and as presently proposed to be conducted, including the specific Biolux Canada IP set forth on **EXHIBIT B** attached hereto.

[REDACTED]

[REDACTED]

"Intellectual Property Rights" means: (i) any and all worldwide proprietary rights provided under (a) patent law, (b) copyright law, (c) trademark law, (d) design patent or industrial design law, (e) semiconductor chip or mask work law, or (f) any other applicable statutory provision or common law principle, including trade secret law, that may provide a right in ideas, formulae, concepts, inventions, know how, computer software, database or design, or the expression or use thereof, and including all past, present, and future causes of action, rights of recovery, and claims for damage, accounting for profits, royalties, or other relief relating, referring, or pertaining to any of the foregoing; and (ii) any and all applications, patents, registrations, licenses, sublicenses, agreements, or any other evidence of a right in any of the proprietary rights described in (i) above.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2. [REDACTED]

[REDACTED]

3. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

4. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

5. Assignment of Biolux Canada IP to Biolux DE.

(a) For good and sufficient consideration, the receipt of which is hereby acknowledged, and in consideration for the Purchase Price, Biolux Canada by these presents does hereby irrevocably sell, assign, transfer, and set over, unto Biolux DE, its successors, legal representatives, and assigns, without limitation, condition, or reservation, and free and clear of all liens, pledges, security interests, claims or encumbrances of any kind, Biolux Canada's entire right, title, and interest in and to the Biolux Canada IP, including, but not limited to:

- (1) the Invention(s);
- (2) the patent applications, patents and application(s) identified in **EXHIBIT B**;
- (3) the right to file application(s) of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (5) any application(s) of the United States or other countries claiming the Invention(s);
- (6) any application(s) of the United States or other countries claiming priority to, and/or the benefit of, at least one of the patent applications, patents and application(s) for patent identified above or any patent applications, patents and application(s) claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (7) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (2)-(6) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (8) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (2)-(6), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

Biolux DE hereby accepts all of Biolux Canada's right, title, and interest in and to the Biolux Canada IP. After such sale, assignment and transfer, Biolux Canada will have no rights with respect to the Biolux Canada IP, except as expressly provided under Section 8, below.

Biolux Canada hereby represents to Biolux DE, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, Biolux Canada is the lawful owner of the entire right, title, and interest in and to the Biolux Canada IP and Invention(s), that the Biolux Canada IP and Invention(s) are unencumbered, except, if

applicable, by obligation to assign to Biolux DE in accordance with said prior agreement, and that Biolux Canada has good and full right and lawful authority to sell, assign and transfer the same in the manner set forth herein, and that Biolux Canada will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

Biolux Canada hereby covenants and agrees to and with Biolux DE, its successors, legal representatives, and assigns, that Biolux Canada will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), the patent applications, the patents and the application(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to Biolux DE, its successors, legal representatives, or assigns.

Biolux Canada hereby requests the Commissioner of Patents to issue said patents of the United States to Biolux DE for the sole use and behalf of Biolux DE, its successors, legal representatives, and assigns.

[REDACTED]

[REDACTED]

6. [REDACTED]

7. [REDACTED]

8. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

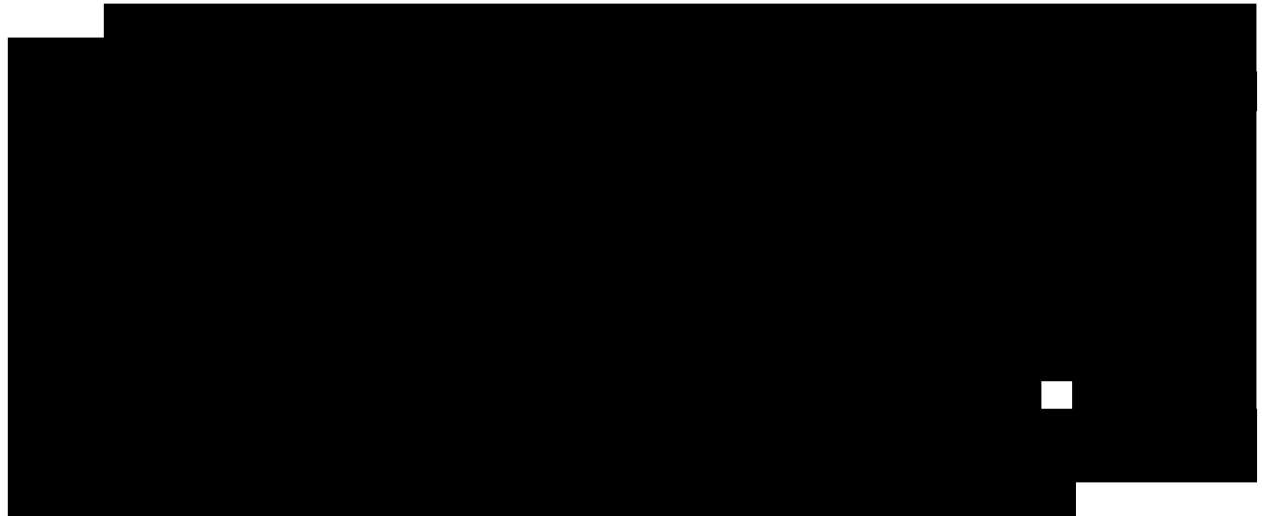
9. [REDACTED]

[REDACTED]

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10.



11.



[REDACTED]

12. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties have executed this IP Transfer and License Agreement as of the Effective Date.

BIOLUX RESEARCH HOLDINGS, INC.

By: Jay Chen
Name: Jay Chen
Title: Chief Financial Officer

BIOLUX RESEARCH LIMITED

By: _____
Name: Alan Kwong-Hing
Title: Director

IN WITNESS WHEREOF, the Parties have executed this IP Transfer and License Agreement as of the Effective Date.

BIOLUX RESEARCH HOLDINGS, INC.

By: _____
Name: Jay Chen
Title: Chief Financial Officer

BIOLUX RESEARCH LIMITED

By:  _____
Name: Alan Kwong-Hing
Title: Director

EXHIBIT A



EXHIBIT B
ASSIGNED IP

1. Patents and Patent Applications listed in *Schedule 1* to this **EXHIBIT B**.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Schedule 1 to EXHIBIT B
As of April 12, 2019

Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
Canada	LIGHT THERAPY DEVICE FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	2598189	2/17/2006	2598189	8/24/2006	Not Applicable	Not Applicable	Abandoned	Not Applicable
European Patent Office	LIGHT THERAPY DEVICE FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	06710427.3	2/17/2006	1853347	11/14/2007	1853347	4/11/2012	Granted (Validated in DE, FR and GB)	2/17/2026
United States of America	LIGHT THERAPY DEVICE FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	11/355,583	2/16/2006	2006/0200212	9/7/2006	Not Applicable	Not Applicable	Abandoned	Not Applicable
Patent Cooperation Treaty	LIGHT THERAPY DEVICE FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	PCT/IB2006/000358	2/17/2006	WO 2006/087633	8/24/2006	Not Applicable	Not Applicable	Expired	Not Applicable
European Patent Office	LIGHT THERAPY APPARATUS AND METHODS	08772845.7	6/20/2008	2164570	3/24/2010	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States of America	LIGHT THERAPY APPARATUS AND METHODS	11/767,302	6/22/2007	2007/0248930	10/25/2007	Not Applicable	Not Applicable	Abandoned	Not Applicable

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
Patent Cooperation Treaty	LIGHT THERAPY APPARATUS AND METHODS	PCT/CA2008/001188	6/20/2008	WO 2009/000075	12/31/2008	Not Applicable	Not Applicable	Expired	Not Applicable
European Patent Office	LIGHT THERAPY DEVICE FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	12163646.8	2/17/2006	2502647	9/26/2012	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States of America	METHODS FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	12/820,070	6/21/2010	2010/0305668	12/2/2010	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States of America	LIGHT THERAPY METHODS	12/834,601	7/12/2010	2010/0318161	12/16/2010	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States of America	LIGHT THERAPY DEVICE FOR TREATMENT OF BONE DISORDERS AND BIOSTIMULATION OF BONE AND SOFT TISSUE	13/895,327	5/15/2013	2013/0289674	10/31/2013	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States	LIGHT THERAPY APPARATUS AND METHODS	13/895,330	5/15/2013	2013/0253620	9/26/2013	8,900,282	12/2/2014	Granted	2/16/2026
United States of America	LIGHT THERAPY APPARATUS	14/147,210	1/3/2014	2014/0121731	5/1/2014	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States	LIGHT THERAPY APPARATUS AND METHODS	14/554,404	11/26/2014	2015/0079536	3/19/2015	9,308,389	4/12/2016	Granted	2/16/2026

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
Patent Cooperation Treaty	METHOD AND DEVICE FOR ACCELERATING ORTHODONTIC TOOTH MOVEMENT	PCT/CA2009/000808	6/8/2009	WO 2010/142013	12/16/2010	Not Applicable	Not Applicable	Expired	Not Applicable
China	METHOD AND APPARATUS FOR REGULATING TOOTH MOVEMENT	201080032056.5	6/7/2010	102802726A	11/28/2012	ZL201080032056.5	3/22/2017	Granted	6/7/2030
European Patent Office	METHOD AND APPARATUS FOR REGULATING TOOTH MOVEMENT	10785629.6	6/7/2010	2440288	4/18/2012	Not Applicable	Not Applicable	Abandoned	Not Applicable
Japan	METHOD AND DEVICE FOR ACCELERATING ORTHODONTIC TOOTH MOVEMENT	2012-513427	6/7/2010	2012-529299	11/22/2012	57-05838	3/6/2015	Granted	6/7/2030
Republic of Korea	METHOD AND DEVICE FOR ACCELERATING ORTHODONTIC TOOTH MOVEMENT	10-2012-7000429	6/7/2010	10-2012-0047227	5/11/2012	10-1670537	10/28/2016	Granted	6/7/2030
United States of America	METHOD AND APPARATUS FOR REGULATING TOOTH MOVEMENT	13/313,830	12/7/2011	2012/0148975	6/14/2012	Not Applicable	Not Applicable	Abandoned	Not Applicable
Patent Cooperation Treaty	METHOD AND APPARATUS FOR REGULATING TOOTH MOVEMENT	PCT/CA2010/000877	6/7/2010	WO 2010/142031	12/16/2010	Not Applicable	Not Applicable	Expired	Not Applicable
United States of America	METHOD AND APPARATUS FOR TOOTH REGULATION USING HEAVY FORCES	61/392,809	10/13/2010	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable

Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
European Patent Office	METHOD AND APPARATUS FOR TOOTH REGULATION USING HEAVY FORCES	11831892.2	10/12/2011	2627283	8/21/2013	2627283	9/23/2015	Granted (Validated in DE, FR and GB)	10/12/2031
United States of America	METHOD AND APPARATUS FOR TOOTH REGULATION WITH HEAVY FORCES	13/826,383	3/14/2013	2013/0196284	8/1/2013	Not Applicable	Not Applicable	Abandoned	Not Applicable
Patent Cooperation Treaty	METHOD AND APPARATUS FOR TOOTH REGULATION USING HEAVY FORCES	PCT/CA2011/050639	10/12/2011	WO 2012/048423	4/19/2012	Not Applicable	Not Applicable	Expired	Not Applicable
United States	METHOD AND APPARATUS FOR TOOTH REGULATION WITH HEAVY FORCES	15/454,763	3/9/2017	2017/0173359	6/22/2017	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/12/2031
United States	METHOD AND APPARATUS FOR TOOTH-MOVEMENT REGULATION	15/856,831	12/28/2017	2018/0140864	5/24/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/12/2031
United States of America	ORAL OR MAXILLOFACIAL BONE REMODELING USING LIGHT THERAPY AND A FUNCTIONAL APPLIANCE	61/421,068	12/8/2010	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable

Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
European Patent Office	METHODS AND APPARATUSES USEFUL FOR REGULATING BONE REMODELING OR TOOTH MOVEMENT USING LIGHT THERAPY, A FUNCTIONAL APPLIANCE, AND/OR VITAMIN D	11846346.2	12/7/2011	2648651	10/16/2013	2648651	11/23/2016	Granted (Validated in DE, FR and GB)	12/7/2031
United States	METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY AND A FUNCTIONAL APPLIANCE	13/314,006	12/7/2011	2012/0148976	6/14/2012	9,242,118	1/26/2016	Granted	12/7/2031
Patent Cooperation Treaty	METHODS AND APPARATUSES USEFUL FOR REGULATING BONE REMODELING OR TOOTH MOVEMENT USING LIGHT THERAPY, A FUNCTIONAL APPLIANCE, AND/OR VITAMIN D	PCT/CA2011/050755	12/7/2011	WO 2012/075584	6/14/2012	Not Applicable	Not Applicable	Expired	Not Applicable
European Patent Office	METHODS AND APPARATUSES USEFUL FOR REGULATING BONE REMODELING OR TOOTH MOVEMENT USING LIGHT THERAPY, A FUNCTIONAL APPLIANCE, AND/OR VITAMIN D	16200122.6	12/7/2011	Did Not Publish	Did Not Publish	Not Applicable	Not Applicable	Abandoned	Not Applicable

Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
United States	METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY AND A FUNCTIONAL APPLIANCE	14/965,786	12/10/2015	2016/0096037	4/7/2016	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 12/7/2031
United States of America	METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY, AN ORTHODONTIC APPLIANCE, AND VITAMIN D ADMINISTRATION	62/309,729	3/17/2016	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States	METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY AND A FUNCTIONAL APPLIANCE	16/230,752	12/21/2018	Not Yet Published	Not Yet Published	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 12/7/2031
United States of America	METHOD AND APPARATUS FOR REGULATING BONE REMODELING OR TOOTH MOVEMENT WITH VITAMIN D AND LIGHT	61/421,073	12/8/2010	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States of America	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	61/635,684	4/19/2012	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States of America	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	61/659,168	6/13/2012	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
United States of America	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	61/745,374	12/21/2012	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
China	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	201380032437.7	4/19/2013	104379087A	2/25/2015	ZL201380032437.7	10/26/2016	Granted	4/19/2033
European Patent Office	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	13779083.8	4/19/2013	2838468	2/25/2015	2838468	5/17/2017	Granted (Validated in DE, FR and GB)	4/19/2033
Japan	INTRA-ORAL LIGHT THERAPY APPARATUS	2015-506056	4/19/2013	2015-515333	5/28/2015	60-07313	9/16/2016	Granted	4/19/2033
United States of America	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	61/783,516	3/14/2013	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
Patent Cooperation Treaty	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	PCT/CA2013/050302	4/19/2013	WO 2013/155632	10/24/2013	Not Applicable	Not Applicable	Expired	Not Applicable
China	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	201610842415.2	4/19/2013	106621060A	5/10/2017	Not Yet Granted	Not Yet Granted	Allowed	Any granted patent projected to expire on 4/19/2033
European Patent Office	INTRA-ORAL LIGHT THERAPY APPARATUS AND METHODS FOR THEIR USE	17171423.1	4/19/2013	3263066	1/3/2018	Not Yet Granted	Not Yet Granted	Allowed	Any granted patent projected to expire on 4/19/2033

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
United States of America	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	13/827,541	3/14/2013	2013/0280671	10/24/2013	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States of America	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	13/866,831	4/19/2013	2014/0072932	3/13/2014	Not Applicable	Not Applicable	Abandoned	Not Applicable
United States	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	15/651,852	7/17/2017	2017/0312538	11/2/2017	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 4/19/2033
United States	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	15/858,373	12/29/2017	2018/0117356	5/3/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 3/14/2033
United States	INTRA-ORAL LIGHT THERAPY APPARATUSES AND METHODS FOR THEIR USE	16/272,670	2/11/2019	Not Yet Published	Not Yet Published	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 3/14/2033
United States of America	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	61/894,404	10/22/2013	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States of America	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	61/984,667	4/25/2014	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States of America	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	62/045,439	9/3/2014	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
China	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	201480057810.9	10/22/2014	105682603A	6/15/2016	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/22/2034
European Patent Office	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	14855209.4	10/22/2014	3060159	8/31/2016	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/22/2034
Japan	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	2016-525585	10/22/2014	2016-538028	12/8/2016	64-84235	2/22/2019	Granted	10/22/2034
United States	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	14/521,121	10/22/2014	2015/0140502	5/21/2015	9,730,780	8/15/2017	Granted	12/25/2034
Patent Cooperation Treaty	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	PCT/CA2014/000760	10/22/2014	WO 2015/058284	4/30/2015	Not Applicable	Not Applicable	Expired	Not Applicable
Japan	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	2019-025547	10/22/2014	Not Yet Published	Not Yet Published	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/22/2034
United States	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	15/676,422	8/14/2017	2018/0014924	1/18/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/22/2034
United States	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	15/858,533	12/29/2017	2018/0140406	5/24/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 10/22/2034

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
United States of America	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	62/151,330	4/22/2015	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States of America	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	62/309,731	3/17/2016	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
China	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	201680022684.2	4/22/2016	107530155 A	1/2/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 4/22/2036
European Patent Office	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	16782436.6	4/22/2016	3285682	2/28/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 4/22/2036
Japan	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	2017-546675	4/22/2016	2018-512906	5/24/2018	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 4/22/2036
United States	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	15/136,127	4/22/2016	2017/0080249	3/23/2017	Not Applicable	Not Applicable	Abandoned	Not Applicable
Patent Cooperation Treaty	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	PCT/CA2016/050471	4/22/2016	WO 2016/168939	10/27/2016	Not Applicable	Not Applicable	Expired	Not Applicable
United States	INTRA-ORAL LIGHT-THERAPY APPARATUSES AND METHODS FOR THEIR USE	16/292,224	3/4/2019	Not Yet Published	Not Yet Published	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 4/22/2036

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
United States of America	APPARATUS AND METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY, AN ORTHODONTIC APPLIANCE, AND OPTIONALLY, VITAMIN D ADMINISTRATION	62/560,475	9/19/2017	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Expired	Not Applicable
United States	APPARATUS AND METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY, AN ORTHODONTIC APPLIANCE, AND OPTIONALLY, VITAMIN D ADMINISTRATION	16/135,842	9/19/2018	2019/0083202	3/21/2019	Not Yet Granted	Not Yet Granted	Pending	Any granted patent projected to expire on 9/19/2038
Patent Cooperation Treaty	APPARATUS AND METHODS USEFUL FOR REMODELING MAXILLOFACIAL BONE USING LIGHT THERAPY, AN ORTHODONTIC APPLIANCE, AND OPTIONALLY, VITAMIN D ADMINISTRATION	PCT/CA2018/051169	9/19/2018	WO 2019/056101	3/28/2019	Not Applicable	Not Applicable	Pending	Any granted patent projected to expire on 9/19/2038
United States	ORTHODONTIC APPLIANCE COMPLIANCE MONITORING SYSTEMS, DEVICES, AND METHODS	62/772,288 ¹	11/28/2018	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Pending	Not Applicable

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Jurisdiction	Title	Application No.	Application Date	Publication No.	Publication Date	Patent No.	Issue Date	Status	Expiration Date
United States	METHODS FOR TREATING DISORDERS AND FOR STIMULATING STEM CELLS BY ADMINISTERING LIGHT THERAPY	62/779,615 ²	12/14/2018	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Pending	Not Applicable

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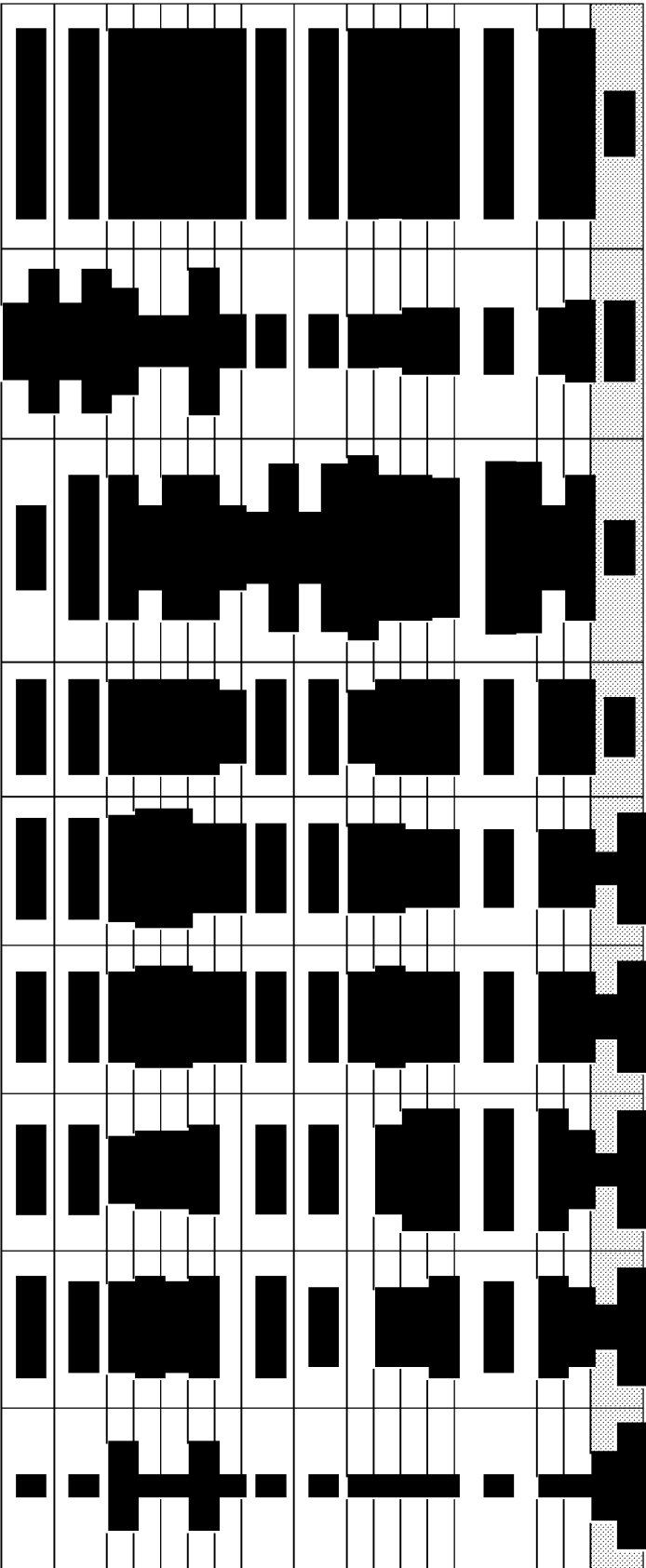


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