

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6595739

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LIONEL C. KIMERLING	08/18/2020
JURGEN MICHEL	12/10/2020
ANURADHA M. AGARWAL	08/20/2020
KAZUMI WADA	09/22/2020
DREW MICHAEL WENINGER	02/15/2021
SAMUEL SERNA	11/10/2020
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16989448
PCT Number:	US2020045623
CORRESPONDENCE DATA	
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<i>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.</i>	
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ATTORNEY DOCKET NUMBER:	MIT-21862US01
NAME OF SUBMITTER:	JASMINE M WALLAS
SIGNATURE:	/Jasmine M. Wallas/
DATE SIGNED:	03/11/2021

PATENT

Total Attachments: 9

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ASSIGNMENT

Lionel C. KIMERLING, residing at 369 Strawberry Hill road, Concord, MA 01742, United States; Jurgen MICHEL, residing at 500 SUMMER STREET, Arlington, MA 02474, United States; Anuradha M. AGARWAL, residing at 105 Hickory Road, Weston, MA 02493, United States; Kazumi WADA, residing at 23 Hill Street, Lexington, MA 02421, United States; ~~Juejun Hu, residing at 292 Nevada St., Newton, MA 02460, United States; Derek Kita, residing at 229 Vassar Street Unit #444, Cambridge, MA 02139, United States;~~ ^{MCS} Drew Michael Weninger, residing at Cambridge, MA, United States; and Samuel Serna, residing at 19 Loring Street, Somerville, MA 02143, United States, (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled **Simultaneous Electrical and Optical Connections for Flip Chip Assembly**, and which is a:

- (1) non-provisional application
(a) to be filed herewith; or
(b) bearing Application No. 16/989,448, and filed on 2020-08-10;
and/or
- (2) PCT application
(a) bearing Application No. PCT/US2020/045623, and filed on 2020-08-10.

WHEREAS, Massachusetts Institute of Technology, a University having its principal place of business at 77 Massachusetts Ave, Cambridge, MA 02139, United States, its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; 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, these applications; 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 these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent 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;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) 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 (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (g) 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 (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, 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, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor 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), said application(s), and said patent(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 the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of Smith Baluch LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

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

Inventor Signature: Lionel C. Kimberling Date: 8-18-20
Lionel C. KIMERLING

Witness Signature: Linda Kimberling Date: 8-18-20

Print Witness Name: Linda Kimberling

Inventor Signature: _____ Date: _____
Jurgen MICHEL

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: _____ Date: _____
Anuradha M. AGARWAL

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: Lionel C. Kimerling Date: 8-18-20
Lionel C. KIMERLING

Witness Signature: Linda Kimerling Date: 8-18-20

Print Witness Name: Linda Kimerling

Inventor Signature: Judith Michel Date: 12-10-20
Judith MICHEL

Witness Signature: Sheri Michel Date: 12-10-2020

Print Witness Name: Sheri Michel

Inventor Signature: _____ Date: _____
Anuradha M. AGARWAL

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: _____ Date: _____
Lionel C. KIMERLING

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: _____ Date: _____
Jurgen MICHEL

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: anuradha M. agarwal Date: August 20th 2020
Anuradha M. AGARWAL

Witness Signature: anant agarwal Date: August 20th 2020

Print Witness Name: Anant Agarwal

Inventor Signature: Kazumi Wada Date: 9/22/20
Kazumi WADA

Witness Signature: Kyoko Wada Date: 9/22/20

Print Witness Name: Kyoko Wada

Inventor Signature: _____ Date: _____
~~Derek Kits~~ MCS

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: _____ Date: _____
~~Derek Kits~~ MCS

Witness Signature: _____ Date: _____

Print Witness Name: _____

Inventor Signature: *Drew Weninger* Date: 02/15/2021
Drew Michael Weninger

Witness Signature: *Katherine Stoll* Date: 02/15/2021

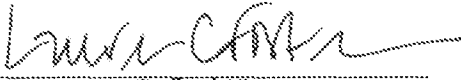
Print Witness Name: Katherine Stoll


Inventor Signature: *Samuel F. Serna* Date: 11/10/2020
Samuel Serna

Witness Signature: *Tamera Marko* Date: 11/10/2020

Print Witness Name: Tamera Marko

For and on behalf of ASSIGNEE:

Date: 26 Feb. 2021 By: 
Name: Lauren C. Foster
Title: Associate Director
University: Technology Licensing Office
Massachusetts Institute of Technology

Witness Signature:  Date: 2/26/2021
Print Witness Name: Joseph Lee