

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5297941

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JEREMY ECTON	12/18/2018
ALEKSANDAR ALEKSOV	12/18/2018
SUDDHASATTWA NAD	12/18/2018
KRISTOF KUWAWI DARMAWIKARTA	12/18/2018
VAHIDREZA PARICHEHREH	12/18/2018
VERONICA ALEMAN STRONG	12/18/2018
XIAOYING GUO	12/18/2018
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Street Address:	2200 MISSION COLLEGE BOULEVARD
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State/Country:	CALIFORNIA
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16231181
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NAME OF SUBMITTER:	LISE ANN RUGGERI-KALIL
SIGNATURE:	/Lise Ann Ruggeri-Kalil/
DATE SIGNED:	12/21/2018

PATENT

Total Attachments: 2

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

**Jeremy Ecton
Aleksandar Aleksov
Suddhasattwa Nad
Kristof Kuwawi Darmawikarta
Vahidreza Parichehreh
Veronica Aleman Strong
Xiaoying Guo**

hereby sell, assign, and transfer to:

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

MICROELECTRONIC ASSEMBLIES HAVING CONDUCTIVE STRUCTURES WITH DIFFERENT THICKNESSES

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

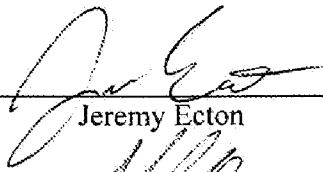
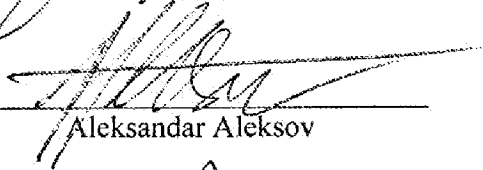
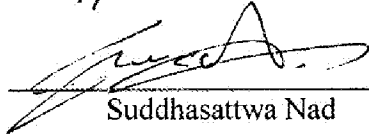
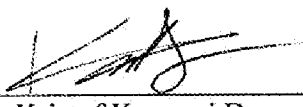
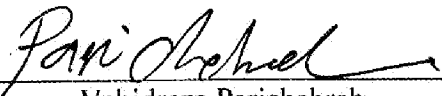
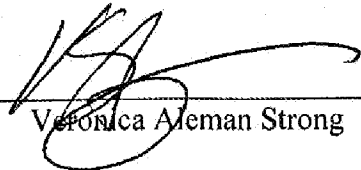
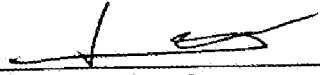
which was filed on December 21, 2018 as
US Application Number 16/231,181 and
COUNTRY or International Office

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to provisional, design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

 _____ Jeremy Ecton	<u>12/18/18</u> (Today's Date)
 _____ Aleksandar Aleksov	<u>12/18/18</u> (Today's Date)
 _____ Suddhasattwa Nad	<u>18th Dec '18</u> (Today's Date)
 _____ Kristof Kuwawi Darmawikarta	<u>12/18/18</u> (Today's Date)
 _____ Vahidreza Parichehreh	<u>12,18,18</u> (Today's Date)
 _____ Veronica Aleman Strong	<u>12/18/18</u> (Today's Date)
 _____ Xiaoying Guo	<u>12/18/2018</u> (Today's Date)