PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| ROBERT WOEHL | 06/23/2015 |

RECEIVING PARTY DATA

| Name: | TOTAL MARKETING SERVICES |
|-----------------|--------------------------|
| Street Address: | 24, COURS MICHELET |
| City: | PUTEAUX |
| State/Country: | FRANCE |
| Postal Code: | 92800 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14751095 |

CORRESPONDENCE DATA

Fax Number:

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: 503.439.8778

Email: Andrea Dolder@BSTZ.com

Correspondent Name: JUSTIN K. BRASK

Address Line 1: 1925 NW AMBERGLEN PARKWAY

Address Line 2: SUITE 230

Address Line 4: BEAVERTON, OREGON 97006

| ATTORNEY DOCKET NUMBER: | 7923P184 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | JUSTIN K. BRASK |
| SIGNATURE: | /Justin K. Brask/ |
| DATE SIGNED: | 09/14/2015 |

Total Attachments: 3

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PATENT 503477981 REEL: 036557 FRAME: 0508

Attorney's Docket No.: 7923.P184

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the below-named inventor(s):

Robert Woehl

Hereby sell, assign, and transfer to

TOTAL MARKETING SERVICES

a Company of France, having a principal place of business at 24, Cours Michelet, Puteaux, 92800 FR ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or nonprovisional) is entitled

ETCHING TECHNIQUES FOR SEMICONDUCTOR DEVICES

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number _____ filed 06/25/2015

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application:

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-inpart applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oats, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or 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.

| Attent | June 23, 2015 |
|----------------------------|---------------|
| Inventor name and address: | Date |
| Robert Woehl | |
| 1152 Spencer Avenue | |
| San Jose, CA 95125 | |
| | |
| | |
| | |
| Witness Signature | Date |

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Santa Clara

On 4/23/2015 before me, M. Silveria, Notary Public personally appeared

Robert Woeh

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

M. SILVERIA
Commission # 2092915
Notary Public - California
Santa Clara County
My Comm. Expires Dec 9, 2018

WITNESS my hand and official seal.

Signature (Seal

PATENT REEL: 036557 FRAME: 0511

RECORDED: 09/14/2015