

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2742549

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KIMIHIRO SATOH</td> <td>01/09/2014</td> </tr> <tr> <td>DONG HA JUNG</td> <td>01/09/2014</td> </tr> <tr> <td>JING ZHANG</td> <td>01/09/2014</td> </tr> <tr> <td>BENJAMIN CHEN</td> <td>01/09/2014</td> </tr> <tr> <td>YIMING HUAI</td> <td>01/09/2014</td> </tr> <tr> <td>RAJIV YADAV RANJAN</td> <td>01/09/2014</td> </tr> <tr> <td>YUCHEN ZHOU</td> <td>01/09/2014</td> </tr> </tbody> </table>		Name	Execution Date	KIMIHIRO SATOH	01/09/2014	DONG HA JUNG	01/09/2014	JING ZHANG	01/09/2014	BENJAMIN CHEN	01/09/2014	YIMING HUAI	01/09/2014	RAJIV YADAV RANJAN	01/09/2014	YUCHEN ZHOU	01/09/2014
Name	Execution Date																
KIMIHIRO SATOH	01/09/2014																
DONG HA JUNG	01/09/2014																
JING ZHANG	01/09/2014																
BENJAMIN CHEN	01/09/2014																
YIMING HUAI	01/09/2014																
RAJIV YADAV RANJAN	01/09/2014																
YUCHEN ZHOU	01/09/2014																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>AVALANCHE TECHNOLOGY INC.</td> </tr> <tr> <td>Street Address:</td> <td>46600 LANDING PARKWAY</td> </tr> <tr> <td>City:</td> <td>FREMONT</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94538</td> </tr> </table>		Name:	AVALANCHE TECHNOLOGY INC.	Street Address:	46600 LANDING PARKWAY	City:	FREMONT	State/Country:	CALIFORNIA	Postal Code:	94538						
Name:	AVALANCHE TECHNOLOGY INC.																
Street Address:	46600 LANDING PARKWAY																
City:	FREMONT																
State/Country:	CALIFORNIA																
Postal Code:	94538																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14096016</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14096016												
Property Type	Number																
Application Number:	14096016																
CORRESPONDENCE DATA																	
Fax Number:	(408)715-2547																
Phone:	209-295-1982																
Email:	marlinknight@earthlink.net																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	MARLIN KNIGHT																
Address Line 1:	P. O. BOX 1320																
Address Line 4:	PIONEER, CALIFORNIA 95666																
ATTORNEY DOCKET NUMBER:	AVA-098																

NAME OF SUBMITTER:	MARLIN KNIGHT
Signature:	/Marlin Knight/
Date:	02/25/2014
Total Attachments: 2 source=Assignment_AVA-098_signed#page1.tif source=Assignment_AVA-098_signed#page2.tif	

ASSIGNMENT

I/We, as a below-named inventors, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to:

Avalanche Technology Inc.
48371 Fremont Blvd., Suite 101
Fremont, California 94538

a corporation, hereinafter referred to as "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by the undersigned and disclosed and/or claimed in an application for Letters Patent of the United States of America filed concurrently herewith, entitled:

MTJ STACK AND BOTTOM ELECTRODE PATTERNING PROCESS WITH ION BEAM ETCHING USING A SINGLE MASK

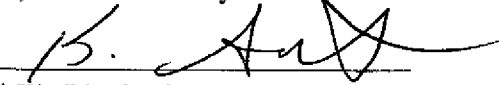
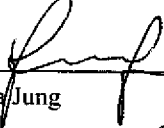
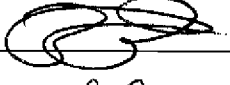
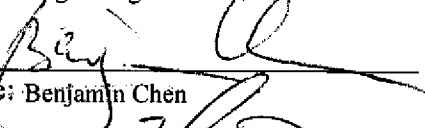

and signed by me on the date set forth below; and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

I hereby authorize and request that the Patent Office Officials in the United States, and in countries foreign to the United States, issue any and all of said Letters Patent or similar documents, when granted, to said Assignee, as the Assignee of our entire right, title and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and assigns.

Further, I agree that I will communicate to said Assignee, or its representatives, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, substitutions, and renewal reexamination and reissue applications, execute all necessary Assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States.

The undersigned hereby authorizes the attorneys associated with customer number **41482** to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recording in the United States Patent Office, and any Patent Office foreign to the United States.

In Testimony Whereof, I hereunto set my hand.

- | | |
|---|-----------------------|
| 1) Signature:  | Date: <u>01/09/14</u> |
| Typed Name: Kimihiro Satoh | |
| 2) Signature:  | Date: <u>1/9/2014</u> |
| Typed Name: Dong Ha Jung | |
| 3) Signature:  | Date: <u>1/9/2014</u> |
| Typed Name: Jig Zhang | |
| 4) Signature:  | Date: <u>1/9/2014</u> |
| Typed Name: Benjamin Chen | |
| 5) Signature:  | Date: <u>1/9/2014</u> |
| Typed Name: Yiming Huai | |

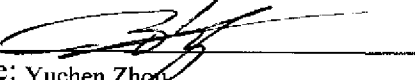
(Assignment, page 1 of 2)

AVA-098

(Assignment, page 2 of 2)

6) Signature: 
Typed Name: Rajiv Yadav Ranjan

Date: 01/09/2014

7) Signature: 
Typed Name: Yuchen Zhou

Date: 01/09/2014

8) Signature: _____
Typed Name: _____

Date: _____

AVA-098