

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Marco Cazzaniga	12/08/2010
Tz-Yi Liu	12/08/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SanDisk 3D LLC
<b>Street Address:</b>	601 McCarthy Boulevard
<b>City:</b>	Milpitas
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12973493
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)276-6599
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	(415) 276-6500
<b>Email:</b>	eileenbowen@dwt.com
<b>Correspondent Name:</b>	Davis Wright Tremaine LLP
<b>Address Line 1:</b>	505 Montgomery Street, Suite 800
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	SNDK.693US0
<b>NAME OF SUBMITTER:</b>	Michael G. Cleveland
<b>Total Attachments: 2</b> source=SNDK693US0_Assignment#page1.tif source=SNDK693US0_Assignment#page2.tif	

CH \$40.00 12973493

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

<p>1. Name of conveying party(ies):</p> <p>(a) Marco Cazzaniga (b) Tz-Yi Liu</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: SanDisk 3D LLC</p> <p>Street Address: 601 McCarthy Boulevard</p> <p>City: Milpitas State: CA Zip: 95035</p> <p>Country: U.S.A.</p>
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<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date: (a) 12/8/10 (b) 12/8/10</p>	<p>Name and address of receiving party(ies):</p> <p>Name:</p> <p>Street Address:</p> <p>City: State: Zip:</p> <p>Country:</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No.(s) - 12/973,493</p> <p>Filing Date: December 20, 2010</p> <p>Title: Charge Pump System that Dynamically Selects Number of Active Stages</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Michael G. Cleveland</p> <p>Internal Address: Davis Wright Tremaine LLP</p> <p>Street Address: 505 Montgomery Street, Suite 800</p> <p>City San Francisco State CA Zip 94111-6533</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$0.00</p> <p><input checked="" type="checkbox"/> The \$40.00 fee has been authorized via EFS. Please charge Deposit Account No. 04-0258 any additional fees required for this conveyance and credit Deposit Account No. 04-0258 any amounts overpaid.</p>
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8. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Michael G. Cleveland, Reg. No. 46,030            December 20, 2010

Name of Person Signing      Signature      Date

Total number of pages including cover sheet, attachments, and documents: 2

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Marco Cazzaniga of Palo Alto, California  
Tz-Yi Liu of Palo Alto, California

hereby sell, assign and transfer to SanDisk 3D LLC, a Delaware corporation, having a place of business at 601 McCarthy Boulevard, Milpitas, California, 95035, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

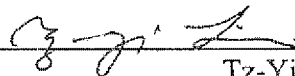
**CHARGE PUMP SYSTEM THAT DYNAMICALLY SELECTS NUMBER OF ACTIVE STAGES**

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 8<sup>th</sup> day of December, 2010.

  
\_\_\_\_\_  
Marco Cazzaniga

Executed this 8<sup>th</sup> day of December, 2010.

  
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Tz-Yi Liu

Attorney Docket No.: SNDK.693US0