

## PATENT ASSIGNMENT

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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>Andrew Robert Brown</td> <td>03/28/2012</td> </tr> <tr> <td>John Ryan Clark</td> <td>03/29/2012</td> </tr> <tr> <td>Wan-Thai Hsu</td> <td>03/29/2012</td> </tr> <tr> <td>Graham Yorke Mostyn</td> <td>03/28/2012</td> </tr> <tr> <td>William Cochrane Ingle</td> <td>03/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Andrew Robert Brown	03/28/2012	John Ryan Clark	03/29/2012	Wan-Thai Hsu	03/29/2012	Graham Yorke Mostyn	03/28/2012	William Cochrane Ingle	03/28/2012
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<table border="1"> <tr> <td>Name:</td> <td>Discera, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1961 Concourse Drive</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95131</td> </tr> </table>		Name:	Discera, Inc.	Street Address:	1961 Concourse Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95131		
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CORRESPONDENCE DATA													
<p>Fax Number: (312)291-0864</p> <p>Phone: 3122910860</p> <p>Email: vgarofoli@lsk-iplaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Lempia Summerfield Katz LLC</p> <p>Address Line 1: One North LaSalle Street</p> <p>Address Line 2: Suite 2900</p> <p>Address Line 4: Chicago, ILLINOIS 60602</p>													
ATTORNEY DOCKET NUMBER:	010108-11001A												
NAME OF SUBMITTER:	G. Christopher Braidwood												

CH \$40.00 13351215

Total Attachments: 5

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ASSIGNMENT

Serial No: 13/351,215

Filed: January 16, 2012

Title: Bias Voltage Tuning of MEMS Resonator Operation Point

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to Discera, Inc. 1961 Concourse Drive, San Jose, CA 95131 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, executed by the undersigned on, 3/28/2012 and 3/29/2012, and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned hereby authorize and request that the attorneys of record in said application insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its

successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this 28 day of March, 2012.

State of Michigan  
County of Wayne

Andrew Robert Brown  
Andrew Robert Brown

On this 28<sup>th</sup> day of March, 2012, before me, a Notary Public in and for the County and State aforesaid, Andrew Robert Brown appeared, to me personally known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.



8/25/17 Melissa J. Gregory  
Notary Public

WITNESS our hands this 29 day of March, 2012.

State of Michigan  
County of Washtenaw

John Ryan Clark  
John Ryan Clark

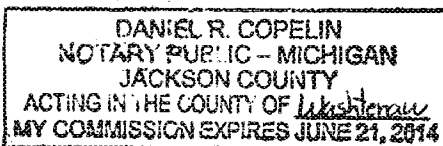
On this 29<sup>th</sup> day of March, 2012, before me, a Notary Public in and for the County and State aforesaid, John Ryan Clark appeared, to me personally known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.



My Commission Expires:

06/21/2014 Daniel R. Copelin  
Notary Public



WITNESS our hands this

29 day of March, 2012.

State of Michigan  
County of Washtenaw

Wan-Thai Hsu  
Wan-Thai Hsu

On this 29 day of March 2012, before me, a  
Notary Public in and for the County and State aforesaid, Wan-Thai Hsu appeared, to me personally known to be  
the same person whose names are subscribed to the foregoing instrument, and acknowledged that they executed  
said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

Feb 1, 2015

Donald Adamek  
Notary Public

DONALD ADAMEK  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF WASHTENAW  
MY COMMISSION EXPIRES Feb 1, 2015  
ACTING IN COUNTY OF Washtenaw

WITNESS our hands this

\_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

State of \_\_\_\_\_  
County of \_\_\_\_\_

\_\_\_\_\_  
Graham Yorke Mostyn

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, a  
Notary Public in and for the County and State aforesaid, Graham Yorke Mostyn appeared, to me personally  
known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that  
they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

\_\_\_\_\_  
Notary Public

WITNESS our hands this

\_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

State of \_\_\_\_\_

County of \_\_\_\_\_

\_\_\_\_\_  
Wan-Thai Hsu

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, a Notary Public in and for the County and State aforesaid, Wan-Thai Hsu appeared, to me personally known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS our hands this

28<sup>th</sup> day of March, 2012.

State of California

County of Santa Clara

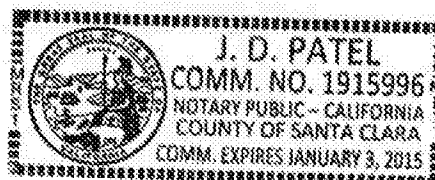
Graham Y. Mostyn  
Graham Yorke Mostyn

On this 28<sup>th</sup> day of March, 2012, before me, a Notary Public in and for the County and State aforesaid, Graham Yorke Mostyn appeared, to me personally known to be the same person whose names ~~are~~ subscribed to the foregoing instrument, and acknowledged that they executed said instrument as ~~their~~ free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 01-03-15

J. D. Patel  
Notary Public



WITNESS our hands this

28 day of MARCH, 2012.

State of

California

County of

Santa Clara

William Cochrane Ingle  
William Cochrane Ingle

On this

28<sup>TH</sup>

day of

MARCH, 2012

, before me, a

Notary Public in and for the County and State aforesaid, William Cochrane Ingle appeared, to me ~~personally~~  
~~known~~ to be the same person whose names ~~are~~ subscribed to the foregoing instrument, and acknowledged that  
~~they~~ executed said instrument as ~~their~~ free and voluntary act and for the uses and purposes therein expressed.  
~~HE~~ WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

03-28-12

J. D. Patel  
Notary Public

