

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>Kenichi Okada</td> <td>11/20/2012</td> </tr> <tr> <td>Ahmed Magdi Hassan Musa</td> <td>11/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kenichi Okada	11/20/2012	Ahmed Magdi Hassan Musa	11/20/2012						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Semiconductor Technology Academic Research Center</td> </tr> <tr> <td>Street Address:</td> <td>17-2, Shin Yokohama 3-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Kohoku-ku, Yokohama-shi</td> </tr> <tr> <td>City:</td> <td>Kanagawa</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>222-0033</td> </tr> </table>		Name:	Semiconductor Technology Academic Research Center	Street Address:	17-2, Shin Yokohama 3-chome	Internal Address:	Kohoku-ku, Yokohama-shi	City:	Kanagawa	State/Country:	JAPAN	Postal Code:	222-0033
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 6123329081 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: cmanthie@merchantgould.com</p> <p>Correspondent Name: Brian H. Batzli</p> <p>Address Line 1: 80 South Eighth Street</p> <p>Address Line 2: 3200 IDS Center</p> <p>Address Line 4: Minneapolis, MINNESOTA 55402</p>													
ATTORNEY DOCKET NUMBER:	594.665FP01												
NAME OF SUBMITTER:	Brian H. Batzli												
Signature:	/Brian H. Batzli/												
Date:	07/30/2013												
Total Attachments: 1 source=2013-07-26-Assignment#page1.tif													

OP \$40.00 13671938

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

Semiconductor Thechnology Academic Research Center

17-2, Shin Yokohama 3-chome, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

FREQUENCY DIVIDER AND PLL CIRCUIT

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____:

(b) filed on November 8, 2012:

Serial No. 13 / 671938:


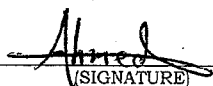
Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1)	 (SIGNATURE)	Kenichi Okada (TYPE NAME)	November 20, 2012 (DATE)
2)	 (SIGNATURE)	Ahmed Magdi Hassan Musa (TYPE NAME)	November 20, 2012 (DATE)
3)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
4)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

PATENT

RECORDED: 07/30/2013

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