

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hans Juergen MATTAUSCH</td> <td>12/08/2009</td> </tr> <tr> <td>Tetsushi KOIDE</td> <td>12/08/2009</td> </tr> <tr> <td>Yuki TANAKA</td> <td>12/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hans Juergen MATTAUSCH	12/08/2009	Tetsushi KOIDE	12/08/2009	Yuki TANAKA	12/09/2009		
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CORRESPONDENCE DATA											
Fax Number: (608)258-4258 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 608-257-5035 Email: BBEAVERS@FOLEY.COM Correspondent Name: FOLEY & LARDNER LLP Address Line 1: 150 EAST GILMAN STREET Address Line 2: P.O. BOX 1497 Address Line 4: MADISON, WISCONSIN 53701-1497											
ATTORNEY DOCKET NUMBER:	091619-0366										
NAME OF SUBMITTER:	Paul S. Hunter										
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ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Hans Juergen MATTAUSCH, c/o Research Institute for Nanodevice and Bio Systems, HIROSHIMA UNIVERSITY, 4-2, Kagamiyama 1-chome, Higashihiroshima-shi, Hiroshima 739-8527 Japan, and

Tetsushi KOIDE, c/o Research Institute for Nanodevice and Bio Systems, HIROSHIMA UNIVERSITY, 4-2, Kagamiyama 1-chome, Higashihiroshima-shi, Hiroshima 739-8527 Japan, and

Yuki TANAKA, c/o Research Institute for Nanodevice and Bio Systems, HIROSHIMA UNIVERSITY, 4-2, Kagamiyama 1-chome, Higashihiroshima-shi, Hiroshima 739-8527 Japan

([collectively,] “**Assignor**”),

effective as of October 25, 2007 hereby sells, assigns, transfers, and conveys unto HIROSHIMA UNIVERSITY, 3-2, Kagamiyama 1-chome, Higashihiroshima-shi, Hiroshima 739-8511 Japan (“**Assignee**”), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the “**Rights**”):

1. the inventions disclosed in the solution report/invention disclosure titled Offset cancel circuitry and all inventions claimed and/or described in the Application (collectively, the “**Invention**”);
2. the patent applications listed in the table below (the “**Application**”);

Patent Application No.	Country	Filing Date	Title
PCT/JP2008/002070	WIPO	July 31, 2008	OFFSET REMOVAL CIRCUIT, ASSOCIATIVE MEMORY INCLUDING THE SAME, AND OFFSET VOLTAGE REMOVAL METHOD

3. all rights with respect to the Invention, including all UNITED STATES patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application (“**Potential Patents**”);
4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances (“**Foreign Rights**”), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
6. all rights to claim priority rights deriving from the Application;

7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

Assignor hereby authorizes and requests legal representative FOLEY & LARDNER LLP, 150 East Gilman Street, Verex Plaza Madison, WI 53703-1481 U.S.A. to insert on this Assignment the filing date and Patent Application Numbers in the table above when known.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

[Signature Page(s) to Follow]

Inventor / Organization Stamp:

By: Hans Juergen Mattaus

Print name: Hans Juergen MATTAUSCH

ATTESTATION

The undersigned witnessed the signature of Hans Juergen MATTAUSCH to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. Hans Juergen MATTAUSCH is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Dec. 8, 2009, to execute this document.

3. Hans Juergen MATTAUSCH subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By: Michikage Matsui

Print name: MICHIKAGE MATSUI

By: Ritsuo Hashimoto

Print name: Ritsuo Hashimoto

Inventor / Organization Stamp:

By: Tetsushi Koide

Print name: Tetsushi KOIDE

ATTESTATION

The undersigned witnessed the signature of Tetsushi KOIDE to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. Tetsushi KOIDE is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Dec 8, 2009 to execute this document.

3. Tetsushi KOIDE subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By: Michikage Matsui

Print name: MICHIKAGE MATSUI

By: Ritsuo Hashimoto

Print name: RITSUO Hashimoto

Inventor / Organization Stamp:

By: Yuki TANAKA

Print name: Yuki TANAKA

ATTESTATION

The undersigned witnessed the signature of Yuki TANAKA to this document and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

2. Yuki TANAKA is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on December 9, 2009, to execute this document.

3. Yuki TANAKA subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

By: Fumiyuki ITO

Print name: Fumiyuki ITO

By: Kota Kaya

Print name: Kota Kaya