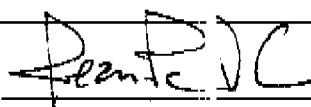


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# **RECORDATION FORM COVER SHEET PATENTS ONLY**

Docket No.: 2037.2040-009

To the Director of the U.S. Patent and Trademark Office. Please record the attached documents or the new address(es) below.

<b>1. Name of conveying party(ies)/Execution Date(s).</b> DIETER HAERLE / MAY 11, 2005 TONY MAI / MAY 19, 2005 PETER VLASENKO / MAY 19, 2005 / / Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: MOSAID TECHNOLOGIES, INC. Internal Address: _____ _____ _____ Street Address: 11 HINES ROAD _____ City: _____ State: KANATA, ONTARIO Country: CANADA Zip K2K 2X1 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ _____		<b>4. Application number(s) or patent number(s):</b> A. Patent Application No (s) 11/906,872 B. Patent No (s) <input type="checkbox"/> This document is being filed together with a new application. Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address of party to whom correspondence concerning document should be mailed.</b> Name: JAMES M. SMITH, ESQ. Internal Address: _____ _____ HAMILTON, BROOK, SMITH & REYNOLDS, P.C. Street Address: 530 VIRGINIA ROAD, P.O. BOX 9133 City: CONCORD State: MA ZIP: 01742-9133 Phone No. 978-341-0036 Fax No. 978-341-0136 Email Address: JIM.SMITH@HBSR.COM		<b>6. Total number of applications and patents involved:</b> [ 1 ] <b>7. Total Fee (37 CFR 1.21(h) &amp; 3.41)</b> \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorization to charge deposit account number 08-0380 <input type="checkbox"/> Previously submitted - Doc. ID No. [ ] <input checked="" type="checkbox"/> Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380 Do not attach a copy of this page if paying by deposit account and filing via facsimile. Attach a copy of this page if paying by deposit account and filing via mail	
<b>8. JEAN-PAUL CASS</b> Name of Person Signing		 Signature	
		1/9/2008 Date	
Total number of pages including cover sheet, attachments, and documents: 4			

CH \$40.00 080380 11906872

Docket No. 2037.2040-000 (1173-01US-00-10)

JointASSIGNMENT

WHEREAS, we, **Dieter Haerle, Tony Mai, and Peter Vlasenko**, have invented a certain improvement in **METHOD AND APPARATUS FOR INITIALIZING A DELAY LOCKED LOOP** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office *(use for utility (37 CFR § 1.53(b)) and design filings only)*;
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **11/050,644**, filed **February 3, 2005**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], filed [ ], which designates the United States of America [and assigned United States Application No. [ ]];
- ☐ which was patented under United States Patent No. [ ].

WHEREAS, **MOSAID Technologies, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Province of Ontario**, and having a usual place of business at **11 Hines Road, Kanata, Ontario, K2K 2X1, Canada** desires to acquire an interest therein in accordance with agreements duly entered into with us;


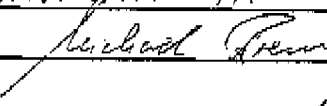
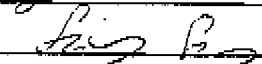
NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

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Docket No. 2037.2040-000 (1173-01US-00-10)


AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

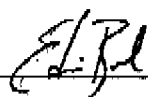
AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.


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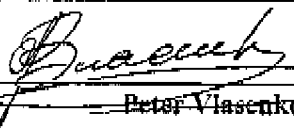
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Docket No. 2037.2040-000 (1173-01US-00-10)

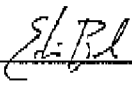
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## FACSIMILE COVER SHEET

**Examiner:** Assignment Division  
U.S. Patent and Trademark Office

**Date:** January 9, 2008

**Client Code:** 2037.2040-009

**Facsimile No.:** 571-273-0140

**From:** Jean-Paul Cass  
Reg. No.: 46,605

**Subject:** Assignment Recordation

**Docket No.:** 2037.2040-009

**Applicant:** Dieter Haerle, *et al*

**Application No.:** 11/906,872

**Filing Date:** October 4, 2007

Number of pages excluding this cover sheet: **4**

Please confirm receipt of facsimile: Yes ☒ No ☐

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