

## 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>Peter Vlasenko</td> <td>01/21/2003</td> </tr> <tr> <td>Dieter Haerle</td> <td>01/21/2003</td> </tr> </tbody> </table>		Name	Execution Date	Peter Vlasenko	01/21/2003	Dieter Haerle	01/21/2003
Name	Execution Date						
Peter Vlasenko	01/21/2003						
Dieter Haerle	01/21/2003						
RECEIVING PARTY DATA							
Name:	MOSAID Technologies, Inc.						
Street Address:	11 Hines Road						
City:	Kanata, Ontario						
State/Country:	CANADA						
Postal Code:	K2K 2X1						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13850500</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13850500		
Property Type	Number						
Application Number:	13850500						
CORRESPONDENCE DATA							
Fax Number:	9783410136						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	978-341-0036						
Email:	cheryl.thomas@hbsr.com						
Correspondent Name:	James M. Smith						
Address Line 1:	Hamilton, Brook, Smith & Reynolds, P.C.						
Address Line 2:	530 Virginia Road, P.O. Box 9133						
Address Line 4:	Concord, MASSACHUSETTS 01742-9133						
ATTORNEY DOCKET NUMBER:	2037.2032-011						
NAME OF SUBMITTER:	Cheryl Thomas						
Total Attachments: 3 source=2037.2032-011 Assignment#page1.tif source=2037.2032-011 Assignment#page2.tif source=2037.2032-011 Assignment#page3.tif							

CH \$40.00 13850500

Joint

ASSIGNMENT

WHEREAS, we, **Peter Vlasenko and Dieter Haerle**, have invented a certain improvement in **Wide Frequency Range Delay Locked Loop** described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on **December 31, 2002** as Application No. **10/335,535**;
- ☐ was patented under U.S. Patent No. ☐ on ☐.

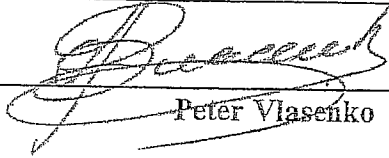
WHEREAS, **MOSAID Technologies, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Province of Ontario**, and having a usual place of business at **11 Hines Road, Kanata, Ontario K2K 2X1 Canada** desires to acquire an interest therein in accordance with agreements 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 throughout the United States of America, its territories and all foreign countries, 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 thereon; 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;

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 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 the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor

  
Peter Vlasenko

Date

Jan. 21-2003

Address

145 Clarkson Crescent

Ottawa, Ontario K2L 3E1 Canada

Witness

Robert N McKen

Address

1506-171 LOES AVE

OTTAWA ONTARIO CANADA K1S 5P3

Witness

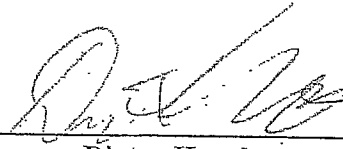
Kathleen Perin

Address

33 Churchill Cres.

Ogden, Quebec J9H 1H4

Inventor



Dieter Hearle

Date

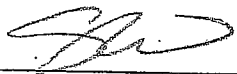
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Address

4000 Hungerford Gate Apt. 4310

Ottawa, Ontario K2L 2T4, CANADA

Witness



Address

6 Greenhaven Crescent, Stittville

ONT K2S 2A4

Witness

Keele P. Perry

Address

33 Churchill Cres

Aylmer, Quebec J9H 1H4