

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| | |
|--|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Tony Mai | 11/26/2003 |
| 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 | |
| Property Type | Number |
| Application Number: | 12315289 |
| CORRESPONDENCE DATA | |
| Fax Number: | (978)341-0136 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 978-341-0036 |
| Email: | christine.budd@hbsr.com |
| Correspondent Name: | James M. Smith, Esq. |
| Address Line 1: | 530 Virginia Road, P.O. Box 9133 |
| Address Line 2: | Hamilton, Brook, Smith & Reynolds, P.C. |
| Address Line 4: | Concord, MASSACHUSETTS 01742-9133 |
| ATTORNEY DOCKET NUMBER: | 2037.2038-015 |
| NAME OF SUBMITTER: | Christine Budd |
| Total Attachments: 2 source=20372038015Assignment#page1.tif source=20372038015Assignment#page2.tif | |

CH \$40.00 12315289

500731777

PATENT
REEL: 021984 FRAME: 0589

SoleASSIGNMENT

WHEREAS, I, **Tony Mai**, have invented a certain improvement in **Start Up Circuit for 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 (*use for 37 CFR §1.53(b) filings only*);
- ☒ the specification of which was filed on **August 25, 2003** as United States Application No. **10/647,664**;
- ☐ the specification of which is the United States National Stage of International Application No. **[PCT Appl'n No.]**, filed on **[PCT Filing Date]** **[OPTION]** and assigned United States Application No. **[]** (*use for 35 USC §371 filings only*);
- ☐ which was patented under United States 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 me;

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, I 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 me had this assignment and sale not been made; I 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. I 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, I hereby further agree for myself and my 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, I 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

Fu Y. C.
Pony Mai

Date 26th Nov, 2003

Address 9 Whithorn Avenue

Kanata, Ontario K2K 3A6, Canada

Witness

Tracy Reid

Address

8 old Orchard Lane

Amherst, Ontario K7S 3T5

Witness

David Richardson

Address

114 Blackburn Dr

Stittsville ON K7S 1E4