

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SRINIVASA RAO BANNA	03/15/2011
MICHAEL A VAN BUSKIRK	03/12/2011
TIMOTHY J THURGATE	03/03/2011
RECEIVING PARTY DATA	
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City:	LAUSANNE
State/Country:	SWITZERLAND
Postal Code:	CH-1015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14614867
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NAME OF SUBMITTER:	BECKY DOUGLAS
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DATE SIGNED:	10/24/2016
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, the undersigned, to wit:

- (1) Srinivasa Rao Banna
- (2) Michael A. Van Buskirk
- (3) Timothy J. Thurgate

(hereinafter collectively ASSIGNOR), has/have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

"TECHNIQUES FOR PROVIDING A SEMICONDUCTOR MEMORY DEVICE"

- (a) _____ which was executed concurrently herewith and is being filed herewith in the United States Patent and Trademark Office;
- (b) _____ which was executed on _____, 20____, and is being filed herewith in the United States Patent and Trademark Office;
- (c) x _____ which was filed as U.S. Patent Application No. 13/047,097 on March 14, 2011;

AND WHEREAS, Innovative Silicon ISI SA (hereinafter ASSIGNEE), a corporation organized and existing under the laws of Switzerland, and having its principal place of business at PSE-B, CH-1015, Lausanne, Switzerland, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for

assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNOR also does hereby covenant that it has the full right to convey the entire right, title, and interest herein assigned, and that it has not and will not execute any agreement in conflict herewith;

ASSIGNOR also does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to make application for and obtain any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, or extensions of said application, or any application on said invention, or any patent issuing therefor or therefrom;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, communicate to said ASSIGNEE, its successors, assigns, and legal representatives, any known facts relating to

Patent Application
Attorney Docket No.: 73885.000068
Client Reference No.: 2010-005-US

said invention or said application or any patent issuing therefor or therefrom, and testify as to the same in any interference or other litigation proceeding when requested to do so, and aid said ASSIGNEE, its successors, assigns, and legal representatives, in obtaining and enforcing proper protection for said invention in all countries;

ASSIGNOR also does hereby grant the firm of Hunton & Williams LLP of 1900 K Street, N.W., Washington, D.C., 20006-1109, or its agents, the power to insert on this assignment any further information, including but not limited to application number(s) and filing date(s), which may be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark office for the purposes of recording this document.

ASSIGNOR also does now hereby execute this document on the date(s) indicated below:

Patent Application
Attorney Docket No.: 73885.000068
Client Reference No.: 2010-005-US

(1) IN WITNESS WHEREOF, I have hereunto set my hand and seal this
13 day of March, 2011.

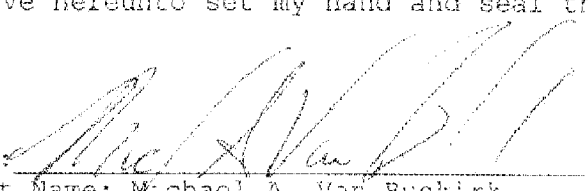
Sign: B. Srinivasa Rao Banna

Print Name: Srinivasa Rao Banna

Print Address: 3924 Emerald Isle Lane
San Jose, CA 95135

Patent Application
Attorney Docket No.: 73885.000068
Client Reference No.: 2010-005-US

(2) IN WITNESS WHEREOF, I have hereunto set my hand and seal this
day of March 12th, 2011.

Sign: 
Print Name: Michael A. Van Buskirk
Print Address: 18653 Vessing Road
Saratoga, CA 95070

Patent Application
Attorney Docket No.: 73885.000068
Client Reference No.: 2010-005-US

(3) IN WITNESS WHEREOF, I have hereunto set my hand and seal this
day of March 3, 2011.

Sign: Timothy J. Thurgate
Print Name: Timothy J. Thurgate
Print Address: 1363 Arleen Avenue
Sunnyvale, CA 94087