

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3311676

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ACACIA RESEARCH GROUP LLC	04/14/2015
RECEIVING PARTY DATA	
Name:	LIMESTONE MEMORY SYSTEMS LLC
Street Address:	520 NEWPORT CENTER DR. 12TH FLOOR
City:	NEWPORT BEACH
State/Country:	CALIFORNIA
Postal Code:	92660
PROPERTY NUMBERS Total: 5	
Property Type	Number
Patent Number:	6233181
Patent Number:	6449199
Patent Number:	6545931
Patent Number:	6678195
Patent Number:	6697296
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	jgraff@acaciares.com
Correspondent Name:	JENNIFER GRAFF
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NAME OF SUBMITTER:	JENNIFER GRAFF
SIGNATURE:	/Jennifer Graff/
DATE SIGNED:	04/15/2015
Total Attachments: 4	
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source=Renesas 16 - Short Form Assignment ARG to Limestone#page2.tif	
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source=Renesas 16 - Short Form Assignment ARG to Limestone#page4.tif	

ASSIGNMENT

WHEREAS, ACACIA RESEARCH GROUP LLC, a Texas limited liability company having a place of business at 2400 Dallas Parkway, Suite 200, Plano, Texas 75093 (hereafter, together with any successors, legal representatives or assigns thereof, called "Assignor") is the owner of the entire right, title, and interest and assignee of the **U.S. Patent Nos. listed on Exhibit A attached hereto;**

AND WHEREAS, LIMESTONE MEMORY SYSTEMS LLC, a California limited liability company having a place of business 520 Newport Center Dr., 12th Floor, Newport Beach, CA 92660 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said **U.S. Patent Nos. listed on Exhibit A attached hereto**, and all the inventions therein, and Assignor is willing to enter into such assignment.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to the **U.S. Patent Nos. listed on Exhibit A attached hereto**, and all continuations, divisionals, reexaminations, reissues and substitutes thereof, all inventions therein, including without limitation all rights to claim priority on the basis thereof, and any and all applications for patents which are or may hereafter be filed for this invention in any foreign country and all patents which may be granted on these inventions in any foreign country, and all extensions, renewals, and reissues thereof; and including without limitation, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for such infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions or discoveries thereof;

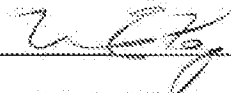
Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this Assignment;

Assignor hereby further covenants and agrees that it will communicate to ASSIGNEE any and all facts known to it respecting said patents, and testify in any legal proceeding, sign all lawful papers, execute and deliver all papers and take any actions that may be necessary or desirable to perfect the title to any aforementioned patents and inventions, execute all divisional, continuation, reexamination, reissue and substitute applications, and make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said inventions in all countries.

ASSIGNMENT

IN TESTIMONY WHEREOF, I hereunto set my hand this 14 day of April, 2015.

ACACIA RESEARCH GROUP LLC
(Assignor)

By 
Name Marvin E Key
Title CEO

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EXHIBIT A

Internal Family #	Ctry	Patent #	Grant Date	Publication #	Publication Date	Application #	Application Date	Title
Renesas 16-1	US	6233181	2001-05-15			09/251352	1999-02-17	Semiconductor Memory Device With Improved Flexible Redundancy Scheme
Renesas 16-1	US	6449199	2002-09-10	20010009521	2001-07-26	09/798944	2001-03-06	Semiconductor Memory Device With Improved Flexible Redundancy Scheme
Renesas 16-1	US	6545931	2003-04-08	20020196697	2002-12-26	10/229001	2002-08-28	Semiconductor Memory Device With Improved Flexible Redundancy Scheme
Renesas 16-1	US	6678195	2004-01-13	20030169631	2003-09-11	10/387573	2003-03-14	Semiconductor Memory Device With Improved Flexible Redundancy Scheme
Renesas 16-1	JP					10-160466	1998-06-09	
Renesas 16-1	JP			2000067595	2000-03-03	10-293421	1998-10-15	Semiconductor Memory
Renesas 16-1	JP	4804503	2011-08-19	2008217984	2008-09-18	2008118413	2008-04-30	Semiconductor Memory Device
Renesas 16-2	US	6697296	2004-02-24	20020191480	2002-12-19	10/140937	2002-05-09	Clock Synchronous Semiconductor Memory Device
Renesas 16-2	CN			1391229	2003-01-15	02119179.4	2002-05-13	Clock Synchronous Semiconductor Memory
Renesas 16-2	CN			101188136	2008-05-28	20071019369.9.8	2002-05-13	Clock Synchronous Semiconductor Memory Device
Renesas 16-2	DE			10220968	2003-01-02	10220968.5	2002-05-10	

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Internal Family #	Ctry	Patent #	Grant Date	Publication #	Publication Date	Application #	Application Date	Title
Renesas 16-2	JP	4726334	2011-04-22	2002374164	2002-12-26	2001178286	2001-06-13	Semiconductor Device
Renesas 16-2	KR	10-0429349	2004-04-16	2002095066	2002-12-20	10-2002-26238	2002-05-13	Semiconductor Device
Renesas 16-2	TW	187061	2004-01-30			91109671	2002-05-09	Semiconductor Device