

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GRANDIS, INC.	02/24/2016

RECEIVING PARTY DATA

Name:	SAMSUNG SEMICONDUCTOR, INC
Street Address:	3655 NORTH FIRST STREET
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 12

Property Type	Number
Patent Number:	7982275
Patent Number:	8476723
Patent Number:	7623369
Patent Number:	7345912
Patent Number:	7502249
Patent Number:	7532505
Patent Number:	7379327
Patent Number:	7663848
Patent Number:	7738287
Patent Number:	8546151
Patent Number:	7764536
Patent Number:	7800942

CORRESPONDENCE DATA

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PATENT

ATTORNEY DOCKET NUMBER:	10/S1500/JEJ/DMW
NAME OF SUBMITTER:	DEREK WIBBEN
SIGNATURE:	/Derek Wibben/
DATE SIGNED:	02/29/2016
Total Attachments: 2 source=LRRC_Grandis_SSI_Renesas#page1.tif source=LRRC_Grandis_SSI_Renesas#page2.tif	

ASSIGNMENT

WHEREAS, GRANDIS, INC., a Delaware corporation, having a business address of 1123 Cadillac Court, Milpitas, California, 95035 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNOR") is a joint assignee of record of certain U.S. Patents listed on Appendix I, which is attached hereto (hereinafter referred to as "PATENTS").

AND WHEREAS, SAMSUNG SEMICONDUCTOR INC., a California corporation, having a place of business at 3655 North First Street, San Jose, California, 95134 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") has acquired and wants to acquire the entire right, title and interest in and to said PATENTS and all inventions therein, and ASSIGNOR is willing to enter into such assignment.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE ASSIGNOR'S entire right, title and interest in and to said PATENTS and all continuations, divisions, reexaminations, reissues and substitutes thereof, and said inventions therein, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said inventions in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said inventions in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said inventions to ASSIGNEE in accordance with the terms of this Assignment;

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 herewith;

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 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 invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of February 2016.

GRANDIS, INC.

By M. Krounbi
Mohamad Krounbi
Senior Vice President, GRANDIS, INC.

JEJ/rav

ASSIGNMENT
Docket No. 10/S1500

APPENDIX I

Application No.	Patent # or Pub #	Title	Docket #
11/843496	7,982,275	Magnetic Element Having Low Saturation Magnetization	19340-0012001
13/160438	8,476,723	Magnetic Element Having Low Saturation Magnetization	19340-0012002 1535-025
12/030541	7,623,369	Method and System for Providing a Magnetic Memory Structure Utilizing Spin Transfer	3850C
11/446391	7,345,912	Method and System for Providing a Magnetic Memory Structure Utilizing Spin Transfer	3850P
11/736290	7,502,249	Method and System for Using a Pulsed Field to Assist Spin Transfer Induced Switching of Magnetic Memory Elements	3856CIP
11/487723	7,532,505	Method and System for Using a Pulsed Field to Assist Spin Transfer Induced Switching of Magnetic Memory Elements	3856P
11/476171	7,379,327	Current Driven Switching of Magnetic Storage Cells Utilizing Spin Transfer and Magnetic Memories Using Such Cells Having Enhanced Read and Write Margins	3861P
11/523872	7,663,848	Magnetic memories utilizing a magnetic element having an engineered free layer	3887CIP
11/692090	7,738,287	Method and System for Providing Field Biased Magnetic Memory Devices	4025P
12/528854	8,546,151	Method for manufacturing magnetic storage device and magnetic storage device	555260 (P209471)
11/834917	7,764,536	Method and System for Providing a Sense Amplifier and Drive Circuit for Spin Transfer Torque Magnetic Random Access Memory	GR003
12/136916	7,800,942	Method and system for providing a magnetic element and magnetic memory being unidirectional writing enabled	GR004

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