

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3761479

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GRANDIS, INC.	02/24/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SAMSUNG SEMICONDUCTOR, INC	
<b>Street Address:</b>	3655 NORTH FIRST STREET	
<b>City:</b>	SAN JOSE	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	95134	
<b>PROPERTY NUMBERS Total: 3</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	8202737	
<b>Patent Number:</b>	8283186	
<b>Patent Number:</b>	8642358	
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	10/S1500/JEJ/DMW	
<b>NAME OF SUBMITTER:</b>	DEREK WIBBEN	
<b>SIGNATURE:</b>	/Derek Wibben/	
<b>DATE SIGNED:</b>	02/29/2016	
<b>Total Attachments: 2</b>		
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**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;

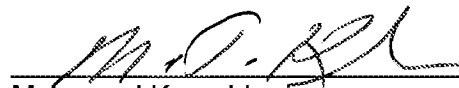
**ASSIGNOR** hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith;

**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



Mohamad Krounbi  
Senior Vice President, GRANDIS, INC.

JEJ/rav

**ASSIGNMENT**  
**Docket No. 10/S1500**

**APPENDIX I**

Application No.	Patent # or Pub #	Title	Docket #
12494245	8,202,737	Magnetic memory device and method for manufacturing the same	HYNIXJDP
13476963	8,283,186	Magnetic memory device and method for manufacturing the same	HYNIXJDP1stDiv
13315011	8,642,358	Method for fabricating magnetic tunnel junction device	HYNIXJDP2nd

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