

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Grandis, Inc.	08/01/2012
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., LTD.
Street Address:	129 Samsung-ro, Yeongtong-gu, Suwon-si
City:	Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF
Postal Code:	443-742
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13549331
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ATTORNEY DOCKET NUMBER:	GRAN013CIP GRANDIS TO SEC
NAME OF SUBMITTER:	Debbie Nishihara
Total Attachments: 2 source=GRAN013CIP_Assignment_SEC#page1.tif source=GRAN013CIP_Assignment_SEC#page2.tif	

OP \$40.00 13549331

ASSIGNMENT

THIS ASSIGNMENT, effective as of the date signed, between **Grandis, Inc.** (hereinafter referred to as **ASSIGNOR**), a corporation with offices at 1123 Cadillac Court, Milpitas, CA 95035, and **Samsung Electronics Co., Ltd.** (hereinafter referred to as **ASSIGNEE**), a corporation with offices at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea, hereby sells, assigns, and transfers the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the listed applications for the United States Letters Patent,

which has been executed by the undersigned concurrently herewith,

which was filed on **July 13, 2012** and assigned Serial No. **13/549,331**

and is entitled:

METHOD AND SYSTEM FOR PROVIDING MAGNETIC TUNNELING JUNCTIONS USABLE IN SPIN TRANSFER TORQUE MAGNETIC MEMORIES

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, and transfers unto ASSIGNEE the full, exclusive, non-revocable, and worldwide rights currently owned or acquired in the future in and to the assigned Patent Applications and any and all patents issuing therefrom, and any continuation, divisional, continuation-in-part applications, reissues, and re-examinations, based on any such patent applications that exist as of the date hereof, and any foreign counterparts of such patent applications and any and all patents issuing thereon, continuation, divisional, continuation-in-part applications, reissues and re-examinations that exist as of the date hereof.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks, and any officials of foreign patent systems whose duty it is to issue patents or related rights on the assigned Patent Applications (or any portion thereof) to issue any patents or document conveying rights arising therefrom to ASSIGNEE in accordance with the terms of this assignment for ASSIGNEE's sole use and behalf, to the full end of the term for which any patents may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR agrees that upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for full protection and title in and to the assigned Patent Applications and all patents issuing thereon which are hereby transferred, including any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of titles thereto in ASSIGNEE.

ASSIGNOR hereby covenants and agrees to communicate to ASSIGNEE any facts known to the ASSIGNOR with respect to the assigned Patent Applications and all patents issuing thereon; provide relevant prior art material as required by law; testify in any legal proceeding; sign all lawful papers; execute all divisional, continuation, continuation-in-part applications, reissues and re-examinations; make all rightful oaths or declarations; and generally do everything possible to obtain, maintain, and enforce proper legal protection for the assigned Patents and all patents issuing thereon in all countries.

ASSIGNOR hereby further covenants and agrees that ASSIGNOR has the full right to convey the entire interest herein assigned, and ASSIGNOR has not and will not execute any agreement in conflict herewith.

ASSIGNMENT CONTINUED

ASSIGNOR agrees that if any provision of this Assignment shall for any reason be held to be invalid or unenforceable, such decision shall not affect, impair or invalidate the remainder of this Assignment but shall be confined in its operation to the provision of this Assignment directly involved in the controversy in which the decision was rendered. The invalid or unenforceable provision shall be reformed so that each ASSIGNOR shall have the obligation to perform reasonably in the alternative to give the ASSIGNEE the benefit of its bargain. In the event the invalid or unenforceable provision cannot be reformed, the other provisions or applications of this Assignment shall be given full effect, and the invalid or unenforceable provision shall be deemed stricken.

Signed:

F. Tabrizi
Signature

Farhad TabriziPrinted Name

8-1-12
DATE

President
TITLE