

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Zhitao Diao</td><td>09/12/2006</td></tr><tr><td>Yiming Huai</td><td>09/12/2006</td></tr></tbody></table>	Name	Execution Date	Zhitao Diao	09/12/2006	Yiming Huai	09/12/2006	
Name	Execution Date						
Zhitao Diao	09/12/2006						
Yiming Huai	09/12/2006						
RECEIVING PARTY DATA							
Name:	Grandis Inc.						
Street Address:	1123 Cadillac Court						
City:	Milpitas						
State/Country:	CALIFORNIA						
Postal Code:	95035						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11520868</td></tr></tbody></table>	Property Type	Number	Application Number:	11520868			
Property Type	Number						
Application Number:	11520868						
CORRESPONDENCE DATA							
Fax Number:	(877)769-7945						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	19340-008001						
NAME OF SUBMITTER:	Kelly M. Smith						
Total Attachments: 1 source=19340-008001Assignment#page1.tif							

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PATENT  
REEL: 019707 FRAME: 0566

Attorney Docket No: 19340-008001

ASSIGNMENT

For valuable consideration, we, Zhitao Diao, of Fremont, California; Yiming Huai, of Pleasanton, California; hereby assign to GRANDIS INC., a corporation of California, having a place of business at 1123 Cadillac Court, Milpitas, California 95035, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DEVICES AND CIRCUITS BASED ON MAGNETIC TUNNEL JUNCTIONS UTILIZING A MULTILAYER BARRIER, filed September 13, 2006, and assigned U.S. Serial Number 11/520,868, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 9-12-06Zhitao Diao  
ZHITAO DIAODATE: 9-12-06Yiming Huai  
YIMING HUAI

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