

Docket No: 3861P

103267514

DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (1) Eugene Youjun CHEN (2) Yiming HUAI (3) Alex Fischer PANCHULA (4) Lien-Chang WANG (5) Xiao LUO Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No.		2. Name and address of receiving party(ies): Name: Grandis, Inc. 1123 Cadillac Court Milpitas, CA 95035 and Name: Renesas Technology Corp. Marunouchi Bldg., 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6334, Japan Additional name(s) and address(es) attached? ☐ Yes ☒ No.	
3. Nature of conveyance: ☒ Assignment Execution dates: (1) June 23, 2006 (2) Same (3) Same (4) Same (5) Same 30/2006 MBELETE1 00000072 11476171 FC:8021 (40.00 OP)		4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: June 23, 2006, Same, Same, Same, and Same A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Sawyer Law Group LLP Address: P.O. Box 51418 Palo Alto, CA 94303		6. Total number of applications and patents involved: <u>One</u> 7. Total fee (37 CFR 3.41)..... <u>\$ 40.00</u> ☒ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)	
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Joseph A. Sawyer, Jr.  June 26, 2006 _____ Name of Person Signing Signature Date			

Total number of pages including cover sheet, attachments, and documents: **2**

PATENT
REEL: 018055 FRAME: 0480

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned, Eugene Youjun CHEN, Yiming HUAI, Alex Fischer PANCHULA, Lien-Chang WANG and Xiao LUO, do hereby sell, assign, and transfer to: Grandis, Inc., a corporation existing under the laws of the state of Delaware, having a principal place of business at 1123 Cadillac Court, Milpitas, CA 95035 and Renasas Technology Corp., having a principal place of business at Marunouchi Bldg., 4-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6334, Japan ("Assignee"), its successors, assigns, and legal representatives, 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 application for the United States Letters Patent,

☒ which has been executed by the undersigned concurrently herewith,

☐ which was filed on _____ and assigned Serial No: _____,

and is entitled:

**CURRENT DRIVEN SWITCHING OF MAGNETIC STORAGE CELLS UTILIZING
SPIN TRANSFER AND MAGNETIC MEMORIES USING SUCH CELLS HAVING
ENHANCED READ AND WRITE MARGINS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

And the Assignors hereby authorize and request the attorneys of Sawyer Law Group LLP to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

Signed:

Name: Eugene Youjun CHEN

Date: 6/23/06

Name: Yiming HUAI

Date: 6/23/06

Name: Alex Fischer PANCHULA

Date: 6/23/06

Name: Lien-Chang WANG

Date: 6/23/06

Name: Xiao LUO

Date: 6/23/06

PATENT

RECORDED: 06/26/2006

REEL: 018055 FRAME: 0481