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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Christophe Frey

Execution Date(s): September 20, 2004
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: STMicroelectronics, Inc.
Internal Address: _____
Street Address: _____

1310 Electronics Drive
Mail Station 2346

City: Carrollton
State: Texas
Country: United States of America Zip: 75006-5039
Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):
A. Patent Application No.(s)
10/880981

Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No.(s)

 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Lisa K. Jorgenson
STMICROELECTRONICS, INC.
Internal Address: Atty. Dkt.: 04-AU-048
Street Address: 1310 Electronics Drive

CUSTOMER NO. 30430

City: Carrollton
State: TX Zip: 75006
Phone Number: (972) 466-6000
Fax Number: (972) 466-7044
Email Address: Lisa.jorgenson@st.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number _____
Authorized User Name _____

9. Signature:
[Signature] October 18, 2004
Signature Date
Andre M. Szuwalski - 35,701
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 4

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS MISSING PARTS, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.
Dated: October 18, 2004 Signature: [Signature] (Margo Barbarash)

10/22/2004 RMEBRRHT 00000037 10880981 40.00 DP
04 FC:8021

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Christophe Frey (hereinafter referred to as Assignor), residing at Dominion Apartments, 12340 Alameda Trace Circle, #1805, Austin, Texas 78727;

WHEREAS, Assignor has invented certain new and useful improvements in MAGNETIC RANDOM ACCESS MEMORY ARRAY WITH GLOBAL WRITE LINES, set forth in a Patent application for Letters Patent of the United States, already filed on June 30, 2004 as U.S. Application No. 10/880981; and

WHEREAS, STMicroelectronics, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 1310 Electronics Drive, Mail Station 2346, Carrollton, Texas 75006-5039 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or

terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

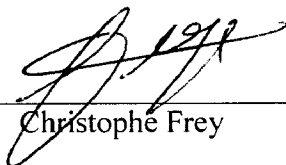
AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

JENKENS & GILCHRIST, A PROFESSIONAL CORPORATION

All practitioners at Customer Number 30430

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: Sept 20th 2004

Signature: 
Christophe Frey