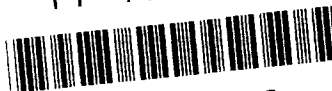


11-19-2007

Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

103462023



11.13.07

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):

Alok Kumar Mittal (10/17/2007),
Chander Bhushan Goel (10/17/2007), and
Hubert Rousseau (09/18/2007)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: STMicroelectronics PVT. LTD.

Internal Address: _____

Street Address: _____

STMicroelectronics Pvt. Ltd.
Plot No. 1, Knowledge Park III
Greater Noida 201308 Uttar Pradesh INDIA

City: _____

State: _____

Country: _____

Zip: _____

Additional name(s) &
address(es)☒ Yes☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name☒ Assignment ☐ Merger ☐ Change of Name☐ Security Agreement ☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)

11/725,186

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Andre M. Szuwalski
GARDERE WYNNE SEWELL LLPInternal Address: Atty. Dkt.: 364476-000028USPXStreet Address: 1601 Elm Street, Suite 3000

CUSTOMER NO. 32914

City: DallasState: TX Zip: 75201-4761Phone Number: (214) 999-4795Fax Number: (214) 999-3795Email Address: aszuwalski@gardere.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 _____
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9. Signature:

Signature

November 7, 2007
DateAndre M. Szuwalski - 35,701
Name of Person SigningTotal number of pages including cover
sheet, attachments, and documents:

5

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below 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.

Dated: November 7, 2007

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(Margo Barbarash)

1854083v1 364476/001028

PATENT
REEL: 020148 FRAME: 0473

11/14/2007 5555H1 00000009 11725186 40.00 DF 05 FC:0021



RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Additional Assignees (2. Continued):

Assignee Name: STMicroelectronics S.A.

Internal

Address:

Street Address: STMicroelectronics S.A.
29, Boulevard Romain Rolland
92120 Montrouge
FRANCE

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

☐

Yes

☐

No

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Alok Kumar Mittal, Chander Bhushan Goel and Hubert Rousseau (hereinafter collectively referred to as Assignor), residing at 47, Mitra Vihar, Opp. D-block Saraswati, Vihar Delhi 110 034 INDIA, B262, 2nd Floor, Sector 26, Noida Uttar Pradesh 201301, INDIA and 30 Rue Pierre LOTI, 13012 Marseille FRANCE;

WHEREAS, Assignor has invented certain new and useful improvements in MEMORY MANAGEMENT MODULE, set forth in a Patent application for Letters Patent of the United States, already filed on March 14, 2007 as U.S. Application No. 11/725,186; and

WHEREAS, STMicroelectronics PVT. LTD., a Corporation organized under and pursuant to the laws of India having its principal place of business at Anand and Anand, B-41, Nizamuddin East, New Delhi-110013, INDIA, and STMicroelectronics S.A., a Corporation organized under and pursuant to the laws of France having its principal place of business at 29, Boulevard Romain Rolland, 92120 Montrouge, FRANCE; and 3, rue Michel Ange, 75016 Paris, FRANCE, respectively (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said invention 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 owner 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:

GARDERE WYNNE SEWELL LLP

All practitioners at Customer Number 32914.

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

Date: 17/04/2007Signature: 
Alok Kumar MittalDate: 17/oct/2007Signature: 
Chander Bhushan GoelDate: 18th September 2007Signature: 
Hubert Rousseau