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12-24-08

RECO



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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):

Andrew Michael Jones
Stuart Ryan

Execution Date(s) 11/13/2008; 11/13/2008

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: STMicroelectronics (Research & Development) Limited

Internal Address: _____

Street Address: Planar House, Parkway, Globe Park,

Marlow, Buckinghamshire SL7 1YL

City: _____

State: _____

Country: United Kingdom Zip: _____

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):

This document is being filed together with a new application.

A. Patent Application No.(s)

12/284,332

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Docket Clerk

Internal Address: _____

Street Address: P.O. Drawer 800889

City: Dallas

State: Texas Zip: 75380

Phone Number: 972-628-3600

Fax Number: 972-628-3616

Email Address: _____

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)

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12/23/2008 DBYRNE 0000028 12244332
Authorized User Name William A. Munck
01 FC:8021

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9. Signature:

Signature

December 15, 2008

Date

William A. Munck, Reg. No. 39,308

Name of Person Signing

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

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 022033 FRAME: 0030

ASSIGNMENT

WHEREAS, We, Andrew Michael Jones, a resident of Bristol, United Kingdom and citizen of the United Kingdom, and Stuart Ryan, a resident of Bristol, United Kingdom and citizen of the United Kingdom have invented certain new and useful improvements in a "CACHE MEMORY SYSTEM" disclosed in an application for United States Letters Patent (Application No. 12/284,332, filed September 19, 2008);

WHEREAS, STMicroelectronics (Research & Development) Limited, a corporation organized under the laws of the country of the United Kingdom, having a place of business at Planar House, Parkway, Globe Park, Marlow, Buckinghamshire SL7 1YL, United Kingdom (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; we authorize William A. Munck, or Daniel E. Venglarik of Munck Carter, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said

ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: 13/NOV/2008

A.M.M.
Andrew Michael Jones

Date: 13/NOV/2008

S.A. Ryan
Stuart Ryan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Andrew M. Jones, et al.
 Application No.: 12/284,332
 Filed: September 19, 2008
 For: CACHE MEMORY SYSTEM
 Art Unit: 2189
 Examiner: Not Yet Assigned
 Confirmation No.: 9929

**MAIL STOP ASSIGNMENT
 RECORDATION SERVICES**

Director of the U.S. Patent and Trademark Office
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL


Sir:

The undersigned hereby certifies that the following documents:

- 1) Recordation Form Cover Sheet;
- 2) Executed Assignment;
- 3) Check in the amount of \$40.00; and
- 4) A postcard receipt

relating to the above application, were deposited as "First Class Mail" with the United States Postal Service, addressed to Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on December 15, 2008.

Date: 12-15-08


 Mailer

Date: 12-15-08


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