

12-29-2006

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OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
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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):Kum-weng Loo
Chek-lim Kho
Jing-en LuanExecution Date(s) 12/06/2006, 12/06/2006, 12/06/2006Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: STMicroelectronics Asia Pacific Pte., Ltd.

Internal Address: _____

Street Address: 5A Serangoon North Avenue 5.

City: _____

State: _____

Country: Singapore Zip: 554574Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

11/545,814

☐ 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: Docket Clerk

Internal Address: _____

Street Address: P.O. Box 802432City: DallasState: Texas Zip: 75380Phone Number: 972-628-3600Fax 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)

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 50-0208Authorized User Name William A. Munck**9. Signature:**

Signature

Dec 20, 2006
Date

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

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 1Documents 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: 018714 FRAME: 0493

OFFICE OF PATENT RECORDATION
 2006 DEC 26 AM 7:02
 FINANCE SECTION
 00000025 11545814
 40.00 DP
 12/27/2006 JHMB
 01 FC 8021

ASSIGNMENT

WHEREAS, We, Kum-weng Loo, a resident of Bishan Loft, and citizen of Singapore, Chek-lim Kho, a resident of Serangoon, and a citizen of Singapore, and Jing-en Luan, a resident of Serangoon, and citizen of China, have invented certain new and useful improvements in "SEMICONDUCTOR PACKAGE WITH POSITION MEMBER" disclosed in an application for United States Letters Patent filed in the United States Patent and Trademark Office on October 10, 2006, 2004 and assigned Application No. 11/545,814;

WHEREAS, STMICROELECTRONICS ASIA PACIFIC PTE., LTD., a corporation organized under the laws of Singapore, having a place of business at 5A Serangoon North Avenue 5, Singapore 554574 (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;

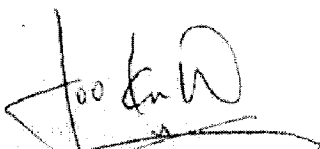
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and 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 Lisa K. Jorgenson of STMICROELECTRONICS, Inc. and William A. Munck, John T. Mockler, and Daniel E. Venglarik of Munck Butrus, 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.

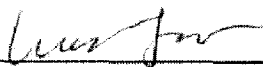
Date: 6/12/06


Kum-weng Loo

Date: 6/12/06


Chek-lim Kho

Date: 6/12/06


Jing-en Luan

DOCKET NO.: 04-SIN-120
CLIENT NO.: STMI01-04120
Customer No.: 30425

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Kum-weng Loo et al.
Application No. : 11/545,814
Filed : October 10, 2006
For : SEMICONDUCTOR PACKAGE WITH POSITION MEMBER
Art Unit : 2811
Examiner : Not Yet Assigned

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Sir:

The undersigned hereby certifies that the following documents:

- 1) Recordation Form Cover Sheet;
- 2) Executed Assignments;
- 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 20, 2006.

Date: 12-20-06

Mailer

Date: Dec 20, 2006

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PATENT

RECORDED: 12/26/2006

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