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FORM PTO-1595  
(REV 6-93)

102083720

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ATTORNEY DOCKET NO. 01-C-142 (STMI01-01142)

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

1. Name of conveying party(ies):  
Tiao Zhou

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: April 30, 2002

2. Name and address of receiving party(ies):

Name: STMicroelectronics, Inc.

Internal Address: 1310 Electronics Drive  
Carrollton, Texas 75006

Post Office Address: Same as above

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

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: April 30, 2002

A. Patent Application No.

B. Patent No.(s) \_\_\_\_\_

Filed:

Additional numbers attached? ☐ Yes ☒ No

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

Name: Lisa K. Jorgenson, Esq.  
Internal Address: STMicroelectronics, Inc.  
1310 Electronics Drive MS 2346  
Carrollton, Texas 75006  
Post Office Address: Same as above6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed with application filing fee  
☐ Charge Assignment Recordal Fee to Deposit Account  
☒ Any deficiencies or overpayments are authorized  
to be charged to or credited to deposit account

8. Deposit account number: 50-0208

Attach duplicate copy of this page if paying by  
deposit account.

DO NOT USE THIS SPACE

9. Statement and signature.

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

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

OMB No. 0651-0011

PATENT  
REEL: 012859 FRAME: 0202

ASSIGNMENT

WHEREAS, I, Tiao Zhou, a resident of Irving, Dallas County, Texas, and citizen of the United States of America, have invented certain new and useful improvements in "BGA/LGA WITH BUILT IN HEAT SLUG/SPREADER" disclosed in an application for United States Letters Patent (Application No. \_\_\_\_\_, filed \_\_\_\_\_, said application having been executed concurrently herewith;

WHEREAS, STMICROELECTRONICS, INC., a corporation organized under the laws of the state of Delaware, having a place of business at 1310 Electronics Drive, Carrollton, Texas 75006, (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, I 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; I authorize Lisa K. Jorgenson of STMicroelectronics, Inc. and William A. Munck, John T. Mockler and Daniel E. Venglarik of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I 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 I 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.

I hereby further agree that I 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: 4/30/02

  
Tiao Zhou