

02-22-2002

Office

CS01-027

To the Honorable Commissioner of Patents and Trademarks: Please receive

all documents or copy thereof.

1. Name of conveying party(ies):

**CHEW-HOE ANG, ENG HUA LIM, RANDALL CHA,  
JIA-ZHEN ZHENG, ELGIN QUEK, MEI-SHENG  
ZHOU, DANIEL YEN**

Additional name(s) or conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance



Assignment



Merger



Security Agreement



Change of Name



other

Execution Date: **1/11/02**

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

Name: **Chartered Semiconductor Manufacturing  
Ltd.**

Internal Address:

Street Address:

**60 Woodlands Industrial Park D  
Street 2 City:  
Singapore Zip: 738406  
Country: Singapore**

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

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

If this document is being filed together with a new application, the execution date of the application is: **1/11/02, 10/29/01,**  
A. Patent Application No(s) B. Patent No.(s) **11/9/01, 10/30/01**

Additional numbers attached? ☐ Yes ☒ No

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

Name: **GEORGE O. SAILE**

Internal Address:

Street Address: **20 MCINTOSH DRIVE**02/21/2002 DEPT. OF COMMERCE 10478101Y ZIP: **12603**

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6. Total no. of applications and patents involved: **1**7. Total fee (37 CFR 3.41): **\$ 40.00**

Enclosed



Authorized to be charged to deposit acct.

8. Deposit account number: **19-0033**

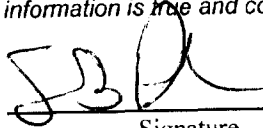
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9. Statement and signature.

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

**STEPHEN B. ACKERMAN**

Name of Person Signing



Signature

**2/8/02**

Date

For ☒ U.S. and/or ☒ Foreign Rights

For ☒ Application or ☐ U.S. Patent

By ☒ Inventor(s) or ☐ Present Owner

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

#### ASSIGNOR:

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**Chartered Semiconductor Manufacturing Ltd.**  
**60 Woodlands Industrial Park D**  
**Street 2**  
**Singapore 738406**  
**Singapore**  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE  
(complete one of the following)

- ☒ the entire right, title and interest  
☐ an undivided \_\_\_\_\_ percent (\_\_\_\_%) interest for the United States and its territorial possessions  
(check the following box/f foreign rights are also to be assigned)  
☒ and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

**A Method To Pattern Small Features By Using A Re-Flowable Hard Mask**

For ☒ U.S. and/or ☒ Foreign Rights

For ☒ Application or ☐ U.S. Patent

By ☒ Inventor(s) or ☐ Present Owner

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#### ASSIGNOR:

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**Street 2**  
**Singapore 738406**  
**Singapore**  
Nationality

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in and to any and all improvements which are disclosed in the invention entitled:

**A Method To Pattern Small Features By Using A Re-Flowable Hard Mask**

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
- (b) ☒ U.S. patent application executed on 10/29/01, 11/9/01, 10/30/01, 1/11/02
- (c) ☐ U.S. application serial no. \_\_\_\_\_ filed on \_\_\_\_\_
- (d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
(also check (e) if foreign application(s) is also being assigned)
- (e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

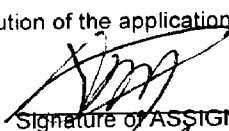
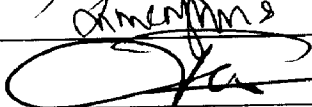
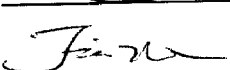
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I / We have signed this

11 Jan 2002 (Date of signing)

**WARNING** Date of signing must be the same as the date of execution of the application if item (a) was checked above.

  
\_\_\_\_\_  
Signature of ASSIGNOR(S)  
  
\_\_\_\_\_  
  
\_\_\_\_\_

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person authorized to sign on  
behalf of ASSIGNOR

\_\_\_\_\_  
Title

Note: No witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC 261). Use next page if notarization is desired.

\_\_\_\_\_  
Notarization or Legalization Page Added.

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
- (b) ☒ U.S. patent application executed on 10/29/01, 10/30/01, 11/9/01 & 1/11/02
- (c) ☐ U.S. application serial no. \_\_\_\_\_ filed on \_\_\_\_\_
- (d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
(also check (e) if foreign application(s) is also being assigned)
- (e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof.

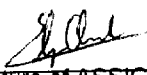
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\_\_\_\_ Notarization of Legalization Page Added