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To the Honorable Commissioner of Patents

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original documents or copy thereof.

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8-30-01

ZHONG-YUN ZHU, RAJNEESH JAISWAL, HAZNITA ABD
KARRM, BEI CHAO ZHANG, JOHNNY CHAM, RAVI
SANKAR YALAMANCHI, CHEE KONG LEONG

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

3. Nature of conveyance



Assignment



Merger



Security Agreement



Change of Name



other

Execution Date: **7/30/01**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:

A. Patent Application No(s)

B. Patent No.(s)

09/867,560Additional 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**City: **POUGHKEEPSIE** State: **NY** ZIP: **12603**6. Total no. of applications and patents involved: **1**7. Total fee (37 CFR 3.41): **\$ 40.00**

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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

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Name of Person Signing

Signature

August 28, 2001

Date

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Total number of pages comprising cover sheet: **3****PATENT**
REEL: 012148 FRAME: 0707

Recordation Form Cover Sheet
PATENTS ONLY

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

Name: **Lucent Technologies, Inc.**

Internal Address:

Street Address: **555 Union Boulevard**

City: **Allentown, PA**

Zip: **18103-1229**

Country: **U.S.A.**

For ☒ U.S. and/or ☒ Foreign RightsFor ☒ Application or ☐ U.S. PatentBy ☒ 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,

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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 if 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:

Using Refractory Metal Silicidation Phase Transition Temperature Points To Control And/Or Calibrate RTP Low Temperature Operation

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,

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USA

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

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(check the following box if 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:

Using Refractory Metal Silicidation Phase Transition Temperature Points To Control And/Or Calibrate RTP Low Temperature Operation

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. application serial no. _____ filed on _____
(d) ☐ U.S. patent no. _____ issued _____
(e) ☐ and any legal equivalent thereof in a foreign country, including the right to claim priority
(also check (e) if foreign application(s) is also being assigned)

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

July 30, 2000 (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.

Zhi Zhong
Signature of ASSIGNOR(S)
[Signature]
[Signature]
[Signature]

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.

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- 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 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.

July 30, 2001 (Date of signing)

Signature of ASSIGNEE

Title

Noturization of Legalization Page Added.