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(Rev. 10/021)
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U. S. DEPARTMENT OF COMMERCE
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Our File MEMC 3101

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

1. Name of conveying party(ies):

Zheng Lu

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 12/17/2004

2. Name and address of receiving party(ies)

Name: MEMC Electronic Materials, Inc.

Internal Address: _____

Street Address: 501 Pearl Drive

City: St. Peters, State: MO Zip: 63376

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) _____

Additional number(s) attached ☐ Yes ☒ No

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

Name: Robert M. Bain

Internal Address: _____

Senniger Powers

Street Address: _____

One Metropolitan Square, 16th Floor

City: St. Louis State: MO Zip: 63102

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

19-1345

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Signature.

Robert M. Bain

Name of Person Signing

Signature

12/30/2004

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 016157 FRAME: 0533

ASSIGNMENT

WHEREAS, I Zheng Lu of St. Charles, Missouri, have invented an improvement in CONTROLLING MELT-SOLID INTERFACE SHAPE OF A GROWING SILICON CRYSTAL USING A VARIABLE MAGNETIC FIELD described in an application for a United States patent based thereon filed simultaneously herewith (File MEMC 03-1000(3101));

AND, WHEREAS, MEMC Electronic Materials, Inc. of St. Peters, Missouri, a corporation of the state of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States application or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or

may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

AND I hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND I hereby jointly and severally agree for myself and for my respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND I hereby jointly and severally covenant for myself and my respective legal representatives that I have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed my right,

title and interest in said invention had not been otherwise encumbered, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I have hereunto set my hand.

12-17-04
Date

Zheng Lu
Zheng Lu

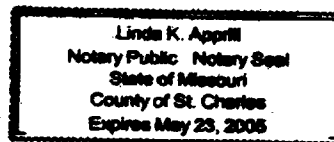
STATE OF Missouri,
COUNTY OF St. Charles,

On this 17th day of December, 2004, before me, a Notary Public, personally appeared Zheng Lu to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Linda K. Appill
Notary Public

My Commission Expires:



RMB/cjl