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To: The Honorable Commission
Please record the attached original document(s) or copy thereof.

103567141

7-13-09

1. Name of conveying party(ies)/(Execution Date)

Jeffrey M. Lauerhaas June 15, 2009
Jimmy D. Collins June 21, 2009
Tracy A. Gast June 17, 2009
Alan D. Rose June 22, 2009

Additional names of conveying party(ies) attached?

Yes No

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

FSI International, Inc.
3455 Lyman Boulevard
Chaska, Minnesota 55318-3052

Additional names of receiving party(ies) attached?

Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

4. Application number or patent number:

This document is being filed with a new patent application on: _____
 This document is to be recorded against the following patent application: U.S. Serial No. 12/387,607, filed May 5, 2009.
 Patent Cooperation Treaty (PCT):
Enter PCT application number only if a U.S. Application Number has not been assigned: JUL 13

Additional Numbers Attached? Yes No

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

David B. Kagan, #33,406
Customer Number 33072
Phone: (651) 275-9804
Facsimile: (651) 351-2954

6. Total number of applications and patents involved:

1

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

Enclosed
 Please charge additional fees or credit overpayments to Kagan Binder deposit account

8. Deposit Account Number: 50-1775

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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. Charges to deposit account are authorized, as indicated herein.

David B. Kagan
Printed Name of Attorney/Agent
Registration No. 33,406

David B. Kagan
Signature

July 8, 2009
Date

Pages: Total number of pages including COVER SHEET, attachments and documents:

5

Mail documents to be recorded with required cover sheet information to:
MS Assignment Recordation Services, Director of the US Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450
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ASSIGNMENT

WHEREAS, we, Jeffrey M. Lauerhaas, of 1613 Sandbar Circle, Waconia, Minnesota 55387, Jimmy D. Collins, of 109 South Alder Drive, Allen, Texas 75002, Tracy A. Gast, of 225, West Second, Waconia, Minnesota 55387, and Alan D. Rose, of 804 Andersonville Lane, Wylie, Texas 75098, have invented certain new and useful improvements in TOOLS AND METHODS FOR PROCESSING MICROELECTRONIC WORKPIECES USING PROCESS CHAMBER DESIGNS THAT EASILY TRANSITION BETWEEN OPEN AND CLOSED MODES OF OPERATION, which application is identified in the United States Patent Office by Serial No. 12/387,607, filed May 5, 2009.

WHEREAS, FSI INTERNATIONAL, INC., Corporation of the State of Minnesota, and having an address of 3455 Lyman Boulevard, Chaska, Minnesota 55318-3052 is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said FSI INTERNATIONAL, INC., its successors and assigns, the entire right, title and interest in and to said invention, said application and the Letters Patent, both foreign and domestic, including all non-provisional, continuation, divisional, reissue, and reexamination applications, that may or shall issue, including all rights under the Paris Convention, European Convention, Patent Cooperation Treaty, and other international treaties and conventions, and we do hereby authorize and request the Director of the United States Patent and Trademark Office to issue said Letters Patent to the above-mentioned assignee in accordance herewith.

We further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name, if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the Paris Convention, European Convention, Patent Cooperation Treaty, and other international treaties and conventions.

We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will, at any time upon request, without further or additional consideration, but at the expense of said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

ASSIGNMENT

WHEREAS, we, Jeffrey M. Lauerhaas, of 1613 Sandbar Circle, Waconia, Minnesota 55387, Jimmy D. Collins, of 109 South Alder Drive, Allen, Texas 75002, Tracy A. Gast, of 225, West Second, Waconia, Minnesota 55387, and Alan D. Rose, of 804 Andersonville Lane, Wylie, Texas 75098, have invented certain new and useful improvements in TOOLS AND METHODS FOR PROCESSING MICROELECTRONIC WORKPIECES USING PROCESS CHAMBER DESIGNS THAT EASILY TRANSITION BETWEEN OPEN AND CLOSED MODES OF OPERATION, which application is identified in the United States Patent Office by Serial No. 12/387,607, filed May 5, 2009.

WHEREAS, FSI INTERNATIONAL, INC., Corporation of the State of Minnesota, and having an address of 3455 Lyman Boulevard, Chaska, Minnesota 55318-3052 is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said FSI INTERNATIONAL, INC., its successors and assigns, the entire right, title and interest in and to said invention, said application and the Letters Patent, both foreign and domestic, including all non-provisional, continuation, divisional, reissue, and reexamination applications, that may or shall issue, including all rights under the Paris Convention, European Convention, Patent Cooperation Treaty, and other international treaties and conventions, and we do hereby authorize and request the Director of the United States Patent and Trademark Office to issue said Letters Patent to the above-mentioned assignee in accordance herewith.

We further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name, if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the Paris Convention, European Convention, Patent Cooperation Treaty, and other international treaties and conventions.

We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will, at any time upon request, without further or additional consideration, but at the expense of said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

In Witness Whereof, we have hereunto signed our names on the date(s) set forth below.

Jeffrey M. Lauerhaas Date

 _____ 6-21-09
Jimmy D. Collins Date

Tracy A. Gast Date

Alan D. Rose Date