

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3205940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JEFFREY M. LAUERHAAS	06/15/2009
JIMMY D. COLLINS	06/21/2009
TRACY A. GAST	06/17/2009
ALAN D. ROSE	06/22/2009
RECEIVING PARTY DATA	
Name:	FSI INTERNATIONAL, INC.
Street Address:	3455 LYMAN BOULEVARD
City:	CHASKA
State/Country:	MINNESOTA
Postal Code:	55318-3052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13854493
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	TEF0218/US/3
NAME OF SUBMITTER:	DALE A. BJORKMAN
SIGNATURE:	/Dale A. Bjorkman/
DATE SIGNED:	01/30/2015
Total Attachments: 4	
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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.

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


 6-15-09

Jeffrey M. Lauerhaas Date

Jimmy D. Collins Date

 6-17-09

Tracy A. Gast Date

 6-22-09

Alan D. Rose Date

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.

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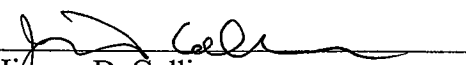
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said FSI INTERNATIONAL, INC., its successors and assigns, the entire right, title and interest in 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.

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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


Jimmy D. Collins 6-21-09
Date

Tracy A. Gast Date

Alan D. Rose Date