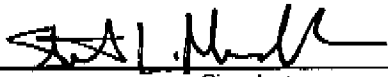


FORM PTO-1595		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office RECORDATION FORM COVER SHEET PATENTS ONLY		Attorney Docket No. <u>P189-US</u>
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): Gaetan L. Mathieu Igor Y. Khandros Carl Reynolds <u>Additional name(s) of conveying party(ies) attached? [] Yes [X] No</u>		2. Name and address of receiving party(ies): Name: <u>FormFactor, Inc.</u> Address: <u>2140 Research Drive</u> <u>Livermore, CA 94550</u> <u>Additional name(s) & address(es) attached? [] Yes [X] No</u>		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name Other: Execution Date: <u>August 11, 2004</u>		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: <u>November 26, 2003</u> A. Patent Application No.(s) <u>10/723,269</u> B. Patent No.(s) <u>Additional numbers attached? [] Yes [X] No</u>		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Legal Department</u> Company: <u>FormFactor, Inc.</u> Address: <u>2140 Research Drive</u> <u>Livermore, CA 94550</u>		6. Total number of applications and patents involved: <u>one</u> Total fee (37 CFR 3.41):\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, if necessary 8. Deposit account number: <u>50-0285</u>		
DO NOT USE THIS SPACE				
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="text-align: center;"><u>Stuart L. Merkadeau</u> Name of Person Signing Reg. No. 33,262</div><div style="text-align: center;"> Signature</div><div style="text-align: center;"><u>August 11, 2004</u> Date</div></div> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: <u>4</u></p>				
Do not detach this portion Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450 <small>Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.</small>				

CH \$40.00 500285 10723269

PATENT
Docket No.: P189-US

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to FormFactor, Inc., a Delaware corporation, having a place of business at 2140 Research Drive, Livermore, CA 94550 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:


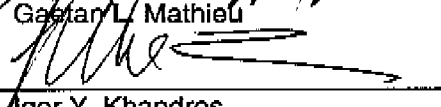
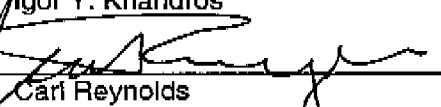
1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: **Methods For Making Plated Through Holes Usable As Interconnection Wire Or Probe Attachments** ("APPLICATION"), which:
☐ is to be filed herewith
☒ was filed on November 26, 2003, now bearing U.S. Serial No.: 10/723,269 and for which a Declaration was executed by INVENTOR on the date(s) below; and
2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the right, title, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

<u>Name & Signature</u>	<u>Date of Signature</u>	<u>Execution Date of Declaration</u>
 Gaetan L. Mathieu	<u>7/21/04</u>	<u>November 21, 2003</u>
 Igor Y. Khandros	<u>7/21/04</u>	<u>November 25, 2003</u>
 Carl Reynolds	<u>8/11/04</u>	<u>November 20, 2003</u>

Title of Document: Assignment for P189-US
 Inventor(s): Gaetan L. Mathieu et al.
 Title of Application: Methods For Making Plated Through Holes Usable As Interconnection Wire Or
 Probe Attachments
 Application No. 10/723,269

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California

County of Alameda

On July 21, 2004 before me, Patti Crowder, Notary Public, personally appeared Gaetan L. Mathieu personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

[SEAL]



WITNESS my hand and Official Seal

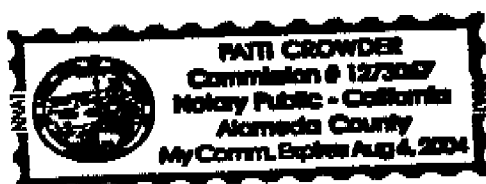
Patti Crowder

State of California

County of Alameda

On July 21, 2004 before me, Patti Crowder, Notary Public, personally appeared Igor Y. Khandros personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

[SEAL]



WITNESS my hand and Official Seal

Patti Crowder

Title of Document: Assignment for P189-US

Inventor(s): Gaetan L. Mathieu et al.

Title of Application: Methods For Making Plated Through Holes Usable As Interconnection Wire Or
Probe Attachments

Application No. 10/723,269

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

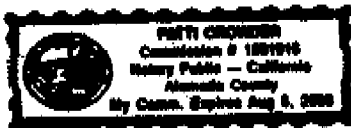
State of California

County of Alameda

On Aug. 11, 2004 before me, Patti Crowder, Notary Public, personally appeared Carl Reynolds personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and Official Seal

[SEAL]



Patti Crowder