

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Keith Bryan Hardin</td> <td>10/24/2011</td> </tr> <tr> <td>Zachary Charles Nathan Kratzer</td> <td>10/24/2011</td> </tr> <tr> <td>Qing Zhang</td> <td>10/25/2011</td> </tr> </tbody> </table>		Name	Execution Date	Keith Bryan Hardin	10/24/2011	Zachary Charles Nathan Kratzer	10/24/2011	Qing Zhang	10/25/2011
Name	Execution Date								
Keith Bryan Hardin	10/24/2011								
Zachary Charles Nathan Kratzer	10/24/2011								
Qing Zhang	10/25/2011								
<b>RECEIVING PARTY DATA</b>									
Name:	Lexmark International, Inc.								
Street Address:	740 West New Circle Road								
Internal Address:	IP Law Dept. / Bldg 082-1								
City:	Lexington								
State/Country:	KENTUCKY								
Postal Code:	40550								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13284084</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13284084				
Property Type	Number								
Application Number:	13284084								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(859)232-7850								
Phone:	859-232-7812								
Email:	thomasc@lexmark.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	LEXMARK INTERNATIONAL, INC. INTELLECTUAL								
Address Line 1:	740 WEST NEW CIRCLE ROAD								
Address Line 2:	BLDG. 082-1								
Address Line 4:	LEXINGTON, KENTUCKY 40550-0999								
ATTORNEY DOCKET NUMBER:	P194-US5 (JMT)								
NAME OF SUBMITTER:	Justin M. Tromp								
Total Attachments: 2 source=P194-US5_Assignment#page1.tif source=P194-US5_Assignment#page2.tif									

**CH \$40.00 13284084**

## ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged:

### ASSIGNORS:

**Keith Bryan Hardin** U.S. Citizen  
2404 Shady Oak Place  
Lexington, Kentucky 40515  
USA

**Zachary Charles Nathan Kratzer** U.S. Citizen  
3240 Blenheim Way  
Lexington, Kentucky 40503  
USA

**Qing Zhang** Citizen of China  
2201 Chesapeake Court  
Lexington, Kentucky 40513  
USA

hereby sell, assign and transfer to

### ASSIGNEE:

**Lexmark International, Inc**  
740 West New Circle Road  
Lexington, KY 40550

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

### **"Continuous Extrusion Process for Manufacturing a Z-directed Component for a Printed Circuit Board"**

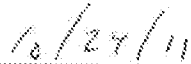
and which is found in (37 C.F.R. Section 3.21) U.S. patent application executed on even date herewith and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

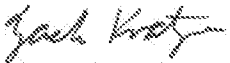
ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

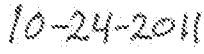
ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation 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.

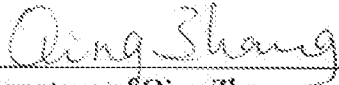
IN WITNESS WHEREOF, We have hereunto set hand and seal as of the date(s) listed below.

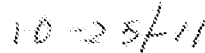
  
\_\_\_\_\_  
Signature of Keith Bryan Hardin

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature of Zachary Charles Nathan Kratzer

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature of Qing Zhang

  
\_\_\_\_\_  
Date