

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Junjiang Lei</td> <td>01/30/2012</td> </tr> <tr> <td>Le Hong</td> <td>01/27/2012</td> </tr> <tr> <td>Mei Fang Shen</td> <td>01/30/2012</td> </tr> <tr> <td>Yi Ning Pan</td> <td>01/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Junjiang Lei	01/30/2012	Le Hong	01/27/2012	Mei Fang Shen	01/30/2012	Yi Ning Pan	01/30/2012
Name	Execution Date										
Junjiang Lei	01/30/2012										
Le Hong	01/27/2012										
Mei Fang Shen	01/30/2012										
Yi Ning Pan	01/30/2012										
RECEIVING PARTY DATA											
Name:	Mentor Graphics Corporation										
Street Address:	8005 SW Boeckman Road										
City:	Wilsonville										
State/Country:	OREGON										
Postal Code:	97070										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13363343</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13363343						
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Application Number:	13363343										
CORRESPONDENCE DATA											
Fax Number:	(503)685-1485										
Email:	danni_duggan@mentor.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:	Danni Duggan										
Address Line 1:	8005 SW Boeckman Road										
Address Line 2:	Mentor Graphics Corp. Legal/Patent										
Address Line 4:	Wilsonville, OREGON 97070										
ATTORNEY DOCKET NUMBER:	10763-REG1/XY										
NAME OF SUBMITTER:	Xin Yang, Reg # 62,400										
Total Attachments: 6											

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## ASSIGNMENT AGREEMENT

WHEREAS, We, Junjiang Lei, residing at 130 105th Ave SE, Unit 104, Bellevue, WA 98004, Le Hong, residing at 2160 Fircrest Dr., West Linn, OR 97068, Mei Fang Shen, residing at 9F, No. 19, lane 56, Chung Cheng W. Rd., Chupei, HsinChu County 302, Taiwan, and Yi Ning Pan, residing at 12F., No.38, Liujia 6th St., Zhubei City, Hsinchu County 302, Taiwan (hereafter collectively referred to as ASSIGNORS) are the inventors of certain inventions described in a U.S. patent application identified by Attorney Docket No. **10763-REG1** and having the title

### **EDGE FRAGMENT CORRELATION DETERMINATION FOR OPTICAL PROXIMITY CORRECTION**

and

WHEREAS, Mentor Graphics Corporation, a corporation incorporated in the State of Oregon and having a place of business at 8005 SW Boeckman Drive, Wilsonville, Oregon 97070-7777 (hereafter referred to as ASSIGNEE), is desirous of confirming that it has already been assigned, or, if not already assigned, is desirous of acquiring the entire right, title and interest in and to said worldwide legal and beneficial right, title and interest in and to the aforesaid inventions, and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof that may be granted for said inventions, or as a result thereof in the United States of America (U.S.) and in any and all foreign countries, including the right to claim priority of the respective United States Patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

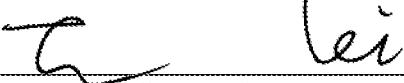
We hereby confirm that we did (under the law of the jurisdiction(s) where the inventions were conceived, reduced to practice and made, under the Intellectual Property Agreement And Confidentiality Agreement and/or under some other agreement with Mentor Graphics Corporation) sell, assign and transfer to the above named ASSIGNEE, or, to the extent we have not already done so, do sell, assign and transfer unto the above named ASSIGNEE, and its successors, assigns and legal representatives (hereafter referred to as NOMINEES) the entire right, title and interest in and to said inventions, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said inventions and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

We covenant that we have full right to convey the entire interest herein assigned at the time of the sale, assignment and transfer, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

We further agree to communicate to said ASSIGNEE or its NOMINEES any facts known to us respecting said inventions, to execute all divisional, continuation, renewal, reissue and foreign applications for said inventions, sign all lawful documents and make all rightful oaths and declarations relating to said inventions, sign all lawful documents which the ASSIGNEE or its NOMINEES shall consider desirable for aiding in securing and maintaining proper protection for said inventions, and to testify in any judicial or administrative proceeding and generally do everything possible to aid said ASSIGNEE or its NOMINEES to obtain and enforce said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide, and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, when requested so to do by said ASSIGNEE or its NOMINEES; and

We authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof in any and all countries of the world, and for any and all divisions, reissues, continuations, extensions and renewals thereof, and we authorize and request the appropriate official of any country, to issue to said ASSIGNEE or its NOMINEES any and all Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof, and any and all divisions, reissues, continuations, extensions and renewals thereof for their sole use, to the full end of the term for which such may be granted;

IN WITNESS WHEREOF, I have hereunto set my hand and seal:

  
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 Inventor: Junjiang Lei

*1/30/2012*  
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 Date

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 Inventor: Le Hong

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 Date

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 Inventor: Mei Fang Shen

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 Date

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 Inventor: Yi Ning Pan

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\_\_\_\_\_  
 Inventor: Junjiang Lei

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 Date

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 Inventor: Le Hong

\_\_\_\_\_  
 Date

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 /Le Hong/

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 01/27/2012

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 Inventor: Mei Fang Shen

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Date

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Inventor: Le Hong

\_\_\_\_\_  
Date

*Mei Fang Shen*  
\_\_\_\_\_  
Inventor: Mei Fang Shen

*1/30/2012*  
\_\_\_\_\_  
Date

*Yi Ning Pan*  
\_\_\_\_\_  
Inventor: Yi Ning Pan

*1/30/2012*  
\_\_\_\_\_  
Date