

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William D. Ramsour</td> <td>07/31/2008</td> </tr> <tr> <td>Samuel I. Ward</td> <td>07/31/2008</td> </tr> <tr> <td>Jun Zhou</td> <td>08/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	William D. Ramsour	07/31/2008	Samuel I. Ward	07/31/2008	Jun Zhou	08/05/2008
Name	Execution Date								
William D. Ramsour	07/31/2008								
Samuel I. Ward	07/31/2008								
Jun Zhou	08/05/2008								
RECEIVING PARTY DATA									
Name:	International Business Machines Corporation								
Street Address:	New Orchard Road								
City:	Armonk								
State/Country:	NEW YORK								
Postal Code:	10504								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12183898</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12183898				
Property Type	Number								
Application Number:	12183898								
CORRESPONDENCE DATA									
Fax Number:	(512)823-1036								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Address Line 2:	IBM-Intellectual Property Law								
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ATTORNEY DOCKET NUMBER:	AUS920080443US1								
NAME OF SUBMITTER:	Diana R. Gerhardt								

CH \$40.00 12183898

Total Attachments: 2
 source=AUS920080443US1_Assignment#page1.tif

ASSIGNMENT


Whereas, I/ we,

- (1) **William D. Ramsour** City of: Pflugerville State of: TX
- (2) **Samuel I. Ward** City of: Round Rock State of: TX
County of: Williamson
- (3) **Jun Zhou** City of: Austin State of: TX
County of: Travis

have invented certain improvements in

SYSTEM AND METHOD FOR IMPROVED PLACEMENT IN CUSTOM VLSI CIRCUIT DESIGN WITH SCHEMATIC-DRIVEN PLACEMENT

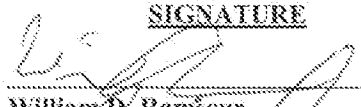
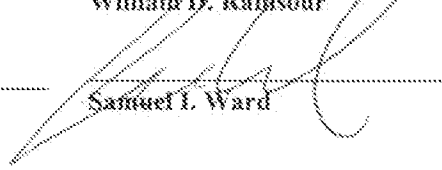
and executed a United States patent application therefor on the following date(s):

- (1) 7-31-07 (Date)
- (2) 7-31-08 (Date)
- (3)  (Date)
- (4) _____ (Date)

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

	<u>CITY/STATE</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>Austin, TX</u>	<u>7-31-08</u>	<u></u> William D. Ramsour
(2)	<u>Austin, TX</u>	<u>7-31-08</u>	<u></u> Samuel I. Ward
(3)	_____	_____	_____ Jun Zhou

ASSIGNMENT

Whereas, I/ we,

- (1) **William D. Ramsour** City of: Pflugerville (2) **Samuel I. Ward** City of: Round Rock
County of: Travis State of: TX County of: Williamson State of: TX
- (3) **Jun Zhou** City of: Austin
County of: Travis State of: TX

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and executed a United States patent application therefor on the following date(s):

- (1) _____ (Date)
- (2) _____ (Date)
- (3) 08/05/2008 (Date)
- (4) _____ (Date)

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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

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(1)	_____	_____	William D. Ramsour
(2)	_____	_____	Samuel I. Ward
(3)	<u>Austin / TX</u>	<u>08/05/2008</u>	<u>Jun Zhou</u>