

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Kaushik Chanda</td><td>08/14/2008</td></tr><tr><td>Ronald G. Filippi</td><td>08/14/2008</td></tr><tr><td>Joseph M. Lukaitis</td><td>08/15/2008</td></tr><tr><td>Ping-Chuan Wang</td><td>08/14/2008</td></tr></tbody></table>		Name	Execution Date	Kaushik Chanda	08/14/2008	Ronald G. Filippi	08/14/2008	Joseph M. Lukaitis	08/15/2008	Ping-Chuan Wang	08/14/2008
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Ping-Chuan Wang	08/14/2008										
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12192387</td></tr></tbody></table>		Property Type	Number	Application Number:	12192387						
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Application Number:	12192387										
CORRESPONDENCE DATA											
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Total Attachments: 1											

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PATENT
REEL: 021395 FRAME: 0509

ASSIGNMENT

IBM DOCKET: FIS920080172US1

Whereas, I/we

(1)	Kaushik Chanda	of	Fishkill	County of	Dutchess	and State of	NY	
(2)	Ronald G. Filippi	of	Wappingers Falls	County of	Dutchess	and State of	NY	
(3)	Joseph M. Lukaitis	of	Pleasant Valley	County of	Dutchess	and State of	NY	and
(4)	Ping-Chuan Wang	of	Hopewell Junction	County of	Dutchess	and State of	NY	

have invented certain improvements in

(select one): ☒ executed concurrently herewith **or** ☐ Serial No. _____ Filed on _____

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/we, 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/we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I/we hereby agree that IBM may apply for foreign Letters Patent on said invention and I/we 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:

on: 08/14, 2008; Kaushik
Kaushik Chanda

on: 8/14, 2008; Ronald G. Filippi
Ronald G. Filippi

on: 8/15, 2008; Joseph M. Lukaitis
Joseph M. Lukaitis

on: 8/14, 2008; Ping-Chuan Wang
Ping-Chuan Wang