

PATENT ASSIGNMENT

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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>Dilip Kumar BISWAL</td><td>11/09/2004</td></tr><tr><td>Isaac Kam-Chak CHENG</td><td>11/09/2004</td></tr><tr><td>Cecilia Oi-Lin CHU</td><td>11/09/2004</td></tr><tr><td>Donald Lee CLARE</td><td>11/09/2004</td></tr><tr><td>Louis S.W. MAU</td><td>11/09/2004</td></tr></tbody></table>	Name	Execution Date	Dilip Kumar BISWAL	11/09/2004	Isaac Kam-Chak CHENG	11/09/2004	Cecilia Oi-Lin CHU	11/09/2004	Donald Lee CLARE	11/09/2004	Louis S.W. MAU	11/09/2004	
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Louis S.W. MAU	11/09/2004												
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>12131029</td></tr></tbody></table>	Property Type	Number	Application Number:	12131029									
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Application Number:	12131029												
CORRESPONDENCE DATA													
Fax Number: (650)543-2676 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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NAME OF SUBMITTER:	Joseph A. Sawyer, Jr.												

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PATENT
REEL: 021042 FRAME: 0366

Total Attachments: 2

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PATENT

REEL: 021042 FRAME: 0367

ASSIGNMENT

Whereas, I,

- | | | |
|-----|-----------------------------|--|
| (1) | Dilip Kumar BISWAL | City of Union City
State of CA |
| (2) | Isaac Kam-Chak CHENG | City of San Jose
State of CA |
| (3) | Cecilia Oi-Lin CHU | City of El Dorado Hills
State of CA |
| (4) | Donald Lee CLARE | City of Morgan Hill
State of CA |
| (5) | Louis S.W. MAU | City of Cupertino
State of CA |

have invented certain improvements in

**TITLE INCREMENTALLY SYNCHRONIZING OCCASIONALLY-CONNECTED MOBILE
DATABASES, PRESERVING HORIZONTAL FILTER SCOPE CONSISTENCY BY USING
CLIENT PRE-IMAGES**

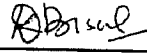
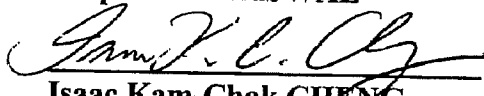


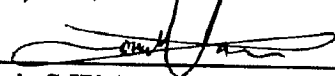
and executed a United States Patent Application therefor on the following date(s):

- (1) 11 / 09 /, 2004
(2) 11 / 9 /, 2004
(3) 11 / 9, 2004
(4) 11 / 9, 2004
(5) 11 / 9, 2004

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, 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 all rights of priority resulting from the filing of said United States application, and 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 we hereby agree that IBM may apply for foreign Letters Patent on said invention and 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:

	<u>LOCATION</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>San Jose</u>	<u>11/09/04</u>	<u></u> Dilip Kumar BISWAL
(2)	<u>San Jose</u>	<u>11/9/04</u>	<u></u> Isaac Kam-Chak CHENG
(3)	<u>San Jose</u>	<u>11/9/04</u>	<u></u> Cecilia Oi-Lin CHU
(4)	<u>San Jose</u>	<u>11/9/04</u>	<u></u> Donald Lee CLARE
(5)	<u>San Jose</u>	<u>11/9/04</u>	<u></u> Louis S.W. MAU