

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<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>Hanyi Ding</td> <td>07/15/2008</td> </tr> <tr> <td>Kai D. Feng</td> <td>07/15/2008</td> </tr> <tr> <td>Zhong-Xiang He</td> <td>07/15/2008</td> </tr> <tr> <td>Zhenrong Jin</td> <td>07/14/2008</td> </tr> <tr> <td>Xuefeng Liu</td> <td>07/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hanyi Ding	07/15/2008	Kai D. Feng	07/15/2008	Zhong-Xiang He	07/15/2008	Zhenrong Jin	07/14/2008	Xuefeng Liu	07/15/2008
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Xuefeng Liu	07/15/2008												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	International Business Machines Corporation												
<b>Street Address:</b>	New Orchard Road												
<b>City:</b>	Armonk												
<b>State/Country:</b>	NEW YORK												
<b>Postal Code:</b>	10504												
<b>PROPERTY NUMBERS Total: 1</b>													
<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>12187442</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12187442								
Property Type	Number												
Application Number:	12187442												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(516)742-4366												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	516-742-4343												
<b>Email:</b>	intprop@ssmp.com, adodge@us.ibm.com												
<b>Correspondent Name:</b>	SCULLY, SCOTT, MURPHY & PRESSER, P.C.												
<b>Address Line 1:</b>	400 GARDEN CITY PLAZA												
<b>Address Line 2:</b>	Suite 300												
<b>Address Line 4:</b>	GARDEN CITY, NEW YORK 11530												
<b>ATTORNEY DOCKET NUMBER:</b>	BUR920080159US2												
<b>NAME OF SUBMITTER:</b>	Anthony J. Canale												

CH \$40.00 12187442

Total Attachments: 2

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**ASSIGNMENT**

Docket No. BUR920080159US2

INVENTOR  
AND CITY

Whereas, we

(1) Hanyi Ding  
County of Chittenden  
and (2) Kai D. Feng  
County of Chittenden  
and (3) Zhong-Xiang He  
County of Chittenden  
and (4) Zhenrong Jin  
County of Chittenden  
and (5) Xuefeng Liu  
County of Chittenden

*Colchester*  
of ~~Essex Junction~~, *VT*  
and State of Vermont,  
of Vermont,  
and State of,  
of Essex Junction,  
and State of Vermont,  
of Essex Junction,  
and State of Vermont,  
of South Burlington,  
and State of Vermont,

have invented certain improvements in

**INTEGRATED MILLIMETER WAVE ANTENNA AND TRANSCEIVER ON A SUBSTRATE**

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

and executed, respectively, a United States patent application therefor on

(1) 7/15, 2008, (2) \_\_\_\_\_, 2008, (3) 7/15, 2008,  
(4) 7/14, 2008, (5) 7/15, 2008.

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 therefor;

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 in all 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

*Hanyi Ding*  
Hanyi Ding

on 7/15, 2008

\_\_\_\_\_  
Kai D. Feng

on \_\_\_\_\_, 2008

*Kai D. Feng*  
Zhong-Xiang He

on 7/15/08, 2008

*Zhenrong Jin*  
Zhenrong Jin

on 7/14, 2008

*Xuefeng Liu*  
Xuefeng Liu

on 7/15, 2008

ASSIGNMENT

Docket No. BUR920080159US2

Whereas, we

INVENTOR  
AND CITY

(1) Hanyi Ding  
County of Chittenden  
and (2) Kai D. Feng  
County of Duchess

~~County of Chittenden~~ *K.D.*  
and (3) Zhong-Xiang He  
County of Chittenden  
and (4) Zhenrong Jin  
County of Chittenden  
and (5) Xuefeng Liu  
County of Chittenden

of Essex Junction,  
and State of Vermont,  
of Hopewell Junction,  
of State of New York,  
~~of Vermont,~~ *K.D.*  
~~and State of,~~ *K.D.*  
of Essex Junction,  
and State of Vermont,  
of Essex Junction,  
and State of Vermont,  
of South Burlington,  
and State of Vermont,

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Signed and sealed

\_\_\_\_\_  
Hanyi Ding on \_\_\_\_\_, 2008

*Kaido*  
\_\_\_\_\_  
Kai D. Feng on *July 15*, 2008

\_\_\_\_\_  
Zhong-Xiang He on \_\_\_\_\_, 2008

\_\_\_\_\_  
Zhenrong Jin on \_\_\_\_\_, 2008

\_\_\_\_\_  
Xuefeng Liu on \_\_\_\_\_, 2008

PATENT