

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>Xin Jin</td> <td>03/05/2002</td> </tr> <tr> <td>Runbo Fu</td> <td>03/05/2002</td> </tr> <tr> <td>Jorgen S. Nielsen</td> <td>03/04/2002</td> </tr> </tbody> </table>		Name	Execution Date	Xin Jin	03/05/2002	Runbo Fu	03/05/2002	Jorgen S. Nielsen	03/04/2002		
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<table border="1"> <tr> <td>Name:</td> <td>Research In Motion Limited</td> </tr> <tr> <td>Street Address:</td> <td>295 Phillip Street</td> </tr> <tr> <td>City:</td> <td>Waterloo</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>N2L 3W8</td> </tr> </table>		Name:	Research In Motion Limited	Street Address:	295 Phillip Street	City:	Waterloo	State/Country:	CANADA	Postal Code:	N2L 3W8
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CORRESPONDENCE DATA											
<p>Fax Number: 2165790212 Phone: 216-586-7387 Email: dlpejeau@jonesday.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Jones Day (RIM) - 2N Address Line 1: North Point Address Line 2: 901 Lakeside Avenue Address Line 4: Cleveland, OHIO 44114</p>											
ATTORNEY DOCKET NUMBER:	555255-013178										
NAME OF SUBMITTER:	Debra Pejeau										
Total Attachments: 4 source=013178_Assignment#page1.tif source=013178_Assignment#page2.tif source=013178_Assignment#page3.tif source=013178_Assignment#page4.tif											

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ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

METHOD AND APPARATUS FOR FREQUENCY TRACKING IN A SPACE TIME TRANSMIT DIVERSITY RECEIVER

and are the subject of a patent application prepared for filing with the United States Patent and Trademark Office attached hereto, and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signatures of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 555255012315.

WHEREAS, RESEARCH IN MOTION LIMITED, a corporation organized under the laws of the Province of Ontario, CANADA, having a place of business at 295 Phillip Street, Waterloo, Ontario, CANADA, N2L 3W8, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Jones, Day, Reavis & Pogue the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: Mar. 5, 02


Xin Jin

508-1129 Meadowlands Drive
Nepean, Ontario
K2E 6J6
CANADA


STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)

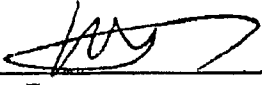
hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: March 5, 2002


(Signature of Witness)

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: March 5, 2002


Runbo Fu

18 Scissons Road
Kanata, Ontario
K2M 2X3
CANADA


STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: March 5, 2002


(Signature of Witness)

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

Date: March 4/02

Jorgen S. Nielsen
Jorgen S. Nielsen

827 Edgemont Road
Calgary, Alberta
T3A 2J1
CANADA

STATEMENT BY WITNESS

I, Luis Estable, whose full Post Office address is
(Name of Witness)

51 rue de l'Alouette, Hull, Quebec, J9A 3J3 CANADA
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: March 4 2002

L. Estable
(Signature of Witness)