

## 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>LIZHONG ZHU</td> <td>07/08/2008</td> </tr> <tr> <td>GEORGE SOLIMAN MANKARUSE</td> <td>07/08/2008</td> </tr> <tr> <td>MICHAEL STEPHEN CORRIGAN</td> <td>07/08/2008</td> </tr> <tr> <td>PERRY JARMUSZEWSKI</td> <td>07/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	LIZHONG ZHU	07/08/2008	GEORGE SOLIMAN MANKARUSE	07/08/2008	MICHAEL STEPHEN CORRIGAN	07/08/2008	PERRY JARMUSZEWSKI	07/08/2008
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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, Ontario</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, Ontario	State/Country:	CANADA	Postal Code:	N2L 3W8
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CORRESPONDENCE DATA											
<p>Fax Number: 4078412343          Phone: 407-841-2330          Email: creganoa@addmg.com</p> <p><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: CHRISTOPHER F. REGAN          Address Line 1: 255 S. Orange Avenue          Address Line 2: Suite 1401          Address Line 4: Orlando, FLORIDA 32801</p>											
ATTORNEY DOCKET NUMBER:	32992-US-CNT (85103CON1)										
NAME OF SUBMITTER:	CHRISTOPHER F. REGAN										

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Total Attachments: 4

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**PATENT**

**REEL: 028946 FRAME: 0416**

A S S I G N M E N T

WHEREAS, Lizhong ZHU of Waterloo, Ontario, Canada; and George MANKARUSE of Kitchener, Ontario, Canada; Michael CORRIGAN of Waterloo, Ontario, Canada; and Perry JARMUSZEWSKI of Waterloo, Ontario, Canada; hereinafter referred to as ASSIGNORS, have made certain improvements or inventions in MOBILE WIRELESS COMMUNICATIONS DEVICE WITH SEPARATE IN-PHASE AND QUADRATURE POWER AMPLIFICATION, for which ASSIGNORS have executed an application for United States Letters Patent filed herewith and in the United States Patent and Trademark Office; and

WHEREAS, RESEARCH IN MOTION LIMITED, a corporation organized under the laws of the Province of Ontario, Canada, hereinafter referred to as ASSIGNEE, is desirous of acquiring the same;

NOW THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said ASSIGNORS do hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, all right, title and interest in and to said United States Patent application, the invention or inventions therein shown and described and any improvements on said inventions heretofore or hereafter made, any divisions or continuations of said application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of said patents; and said ASSIGNORS do hereby authorize and request the Commissioner of Patents to issue all patents on said United States Patent

applications or for the invention or inventions hereof, in accordance with this assignment.

And said **ASSIGNORS** for said consideration hereby covenants and agrees that said **ASSIGNORS** are the owners of the full title herein conveyed and have the right to convey the same, and agree that said **ASSIGNORS** will communicate to said **ASSIGNEE** any facts known to said **ASSIGNORS** respecting said invention or inventions, and testify in any legal proceedings when called upon by said **ASSIGNEE**, sign all lawful papers deemed by said **ASSIGNEE** as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid said **ASSIGNEE**, its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the **ASSIGNEE'S** expense.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 8 day of July, 2008.

  
Lizhong ZHU

Witness: Nagula S. Sangary

Printed  
Name: NAGULA SANGARY

Date: July 8<sup>th</sup>, 2008

IN WITNESS WHEREOF, I have hereunto set my hand  
and seal this 8 day of July, 2008.

  
George MANKARUSE

Witness: Nagula P. Sangary

Printed  
Name: NAGULA SANGARY

Date: July 8<sup>th</sup>, 2008

IN WITNESS WHEREOF, I have hereunto set my hand  
and seal this 8 day of July, 2008.

  
Michael CORRIGAN

Witness: Nagula P. Sangary

Printed  
Name: NAGULA SANGARY

Date: July 8<sup>th</sup>, 2008

IN WITNESS WHEREOF, I have hereunto set my hand  
and seal this 8<sup>th</sup> day of July, 2008.

Witness: Nagula S. Sangary

P. Jarmuszewski  
Perry JARMUSZEWSKI

Printed  
Name: NAGULA SANGARY

Date: July 8<sup>th</sup>, 2008