

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Zhijun Cai	04/27/2007
James Earl Womack	04/27/2007
RECEIVING PARTY DATA	
Name:	Research in Motion Limited
Street Address:	176 Columbia Street West
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State/Country:	CANADA
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11741362
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ATTORNEY DOCKET NUMBER:	32294-US-PAT
NAME OF SUBMITTER:	J. Robert Brown, Jr.

CH \$40.00 11741362

Total Attachments: 3  
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## ASSIGNMENT

WHEREAS, the Undersigned has invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Research in Motion Limited (hereinafter referred to as "Assignee"), a corporation organized and existing under the laws of the Canada, Assignee, having its principal office and place of business at 176 Columbia Street West, Waterloo, Ontario, Canada N2L 3L3, desires to acquire the Undersigned's entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the Undersigned:

Hereby sells, assigns and transfers to Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Application No. 11/741,362, filed April 27, 2007, or, if not identified here by filing date and application number, executed by me on even date, entitled:

### MULTI-STAGE SETUP FOR LONG-TERM EVOLUTION MULTIMEDIA BROADCAST MULTICAST SERVICE TRANSMISSIONS

and in and to said application and all applications that claim priority to said Application No. 11/741,362 and all provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all utility models, industrial models, certificates of invention, and designs on said improvements;

Agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the Undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications, and all other like rights of exclusion in any country on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the Undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and



Full name of second inventor:

James Earl Womack

Residence Address:

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Bedford, Texas 76022

Citizenship:

US

James E Womack  
James Earl Womack

4/27/07  
(Date)

Sarah Cross  
Witness Signature

Sarah Cross  
Witness Name (Print)