

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: NC17810US/0013-004001

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Fei F. Zhou, Zhigang Rong, Zhouyue Pi and Lin Ma
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies):
Name: Nokia Corporation
Street Address: Keilalahdentie 4
Espoo Finland
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: ~~November 6, 2006, August 18, 2006,~~
~~August 19, 2006, August 18, 2006~~

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 11/478,555, filed June 28, 2006

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: R Edward Brake
Address: Brake Hughes PLC
c/o Intellevate
P.O. Box 52050
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed
 Authorized to be charged to credit card

8. Please charge any additional fees or credit any over payments to our Deposit Account No.50-3521

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

R Edward Brake/Reg. No. 37,784
Name of Person Signing


Signature

12/14/06
Date

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O.Box 1450
Alexandria, VA 22313-1450

700301939

PATENT
REEL: 018643 FRAME: 0540

OP \$40.00 11478555

ASSIGNMENT

WHEREAS, We, Fei F. Zhou, residing at 6542 Reflection Dr. #1443, San Diego, CA 92124, and Zhigang Rong, residing at 12357 Creekview Dr. #84, San Diego, CA 92128, and Zhouyue Pi, residing at 11568 Compass Point Dr. N, #52, San Diego, CA 92126, and Lin L. Ma, residing at 12357 Creekview Dr. #84, San Diego, CA 92128, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on June 28, 2006, which application was assigned U.S. patent application serial number 11/478,555, and is entitled TECHNIQUES TO TRANSMIT DATA RATE CONTROL SIGNALS FOR MULTI-CARRIER WIRELESS SYSTEMS;

AND WHEREAS, Nokia Corporation, a corporation organized and existing under and by virtue of the laws of Finland, and having an office and place of business at Street Address: Keilalahdentie 4, FIN-02150 Espoo, Finland; Postal Address: P.O. Box 226, FIN-00045 NOKIA GROUP, Finland (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid

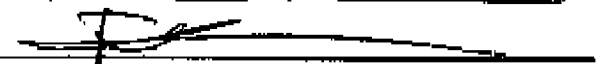
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inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Nov., 2006.



Fei F. Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Zhigang Rong

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 19th day of August, 2006.

Zhouyue Pi
Zhouyue Pi

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Lin L. Ma

ASSIGNMENT

WHEREAS, We, Fel F. Zhou, residing at 6542 Reflection Dr. #1443, San Diego, CA 92124, and Zhigang Rong, residing at 12357 Creekview Dr, #84, San Diego, CA 92128, and Zhouyue Pi, residing at 11568 Compass Point Dr. N, #52, San Diego, CA 92126, and Lin E. Ma Lin Ma (LH) residing at 12357 Creekview Dr, #84, San Diego, CA 92128, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on June 28, 2006, which application was assigned U.S. patent application serial number 11/478,555, and is entitled TECHNIQUES TO TRANSMIT DATA RATE CONTROL SIGNALS FOR MULTI-CARRIER WIRELESS SYSTEMS:

AND WHEREAS, Nokia Corporation, a corporation organized and existing under and by virtue of the laws of Finland, and having an office and place of business at Street Address: Keilalahdentie 4, FIN-02150 Espoo, Finland; Postal Address: P.O. Box 226, FIN-00045 NOKIA GROUP, Finland (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid

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inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Fei F. Zhou

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18th day of August, 2006.


Zhigang Rong
Zhigang Rong

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IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2006.

Zhouyue Pi

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11th day of August, 2006.


~~Lin L. Ma~~ Lin Ma (LM)