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

1. Name of conveying party(ies):

Karri RANTA-AHO  
Jorma KAIKKONEN

Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies):

Nokia Corporation  
Keilalahdentie 4  
FIN-02150  
Espoo, Finland

Additional name(s) and address(es) attached?  
 Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: November 27 and 29, 2007

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)

11/980,188 filed October 30, 2007

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Jack M. Pasquale  
Ware Fressola, Van Der Sluys & Adolphson LLP  
Bradford Green, Building 5  
755 Main Street  
P.O. Box 224  
Monroe, CT 06468-0224

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
23-0442 for fee deficiencies only  
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Statement and signature:

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

Alfred A. Fressola  
Name of Person Signing

Signature

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Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services, Commissioner of Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 944-017.019-1  
Serial No. 11/980,188

**ASSIGNMENT AND AGREEMENT**

**FOR VALUE RECEIVED, We, KARRI RANTA-AHO and JORMA KAIKKONEN**, citizens of Finland, and residing at Hakkukuja 1 C 40, 02650 Espoo, FINLAND and ~~Tiedonkaari 5 B 10, 90570 Oulu~~, FINLAND, respectively, hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in **ADDITIONAL MODULATION INFORMATION SIGNALING FOR HIGH SPEED DOWNLINK PACKET ACCESS**, which is described in an application for Letters Patent of the United States, Serial No. 11/980,188 filed October 30, 2007; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

\*  
Tasokan tie 22  
2010  
JK  
27.11.07

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial property, as amended, or by convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may

be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at ESPOO this 29<sup>th</sup> day of November, in the year 2007.

  
\_\_\_\_\_  
Karri Ranta-aho

Docket No. 944-017.019-1  
Serial No. 11/980,188

Signed at Oulu this 27 day of  
November, in the year 2007.

  
\_\_\_\_\_  
Jorma Kaikkonen