

FORM PTO-1595 (modified)

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To the Director of the United States Patent and Trademark Office

Attached original documents or copies thereof.

1. Name of conveying party(ies):

Olav Tirkkonen  
Paolo Priotti  
Ulrico Celentano

2. Name of receiving party(ies):

Address of receiving party(ies):

Nokia Corporation  
Keilalahdentie 4  
Espoo  
FIN--02150  
Finland

Additional conveying party(ies)

NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date(s):

October 27, 2005, October 31, 2005 and October 6, 2005

Additional name(s) & address(es) attached? NO

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

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

A. Patent Application Number(s):

11/226,502

B. Patent Number(s):

Additional numbers attached? NO

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

G. Peter Albert, Jr.  
FOLEY & LARDNER LLP  
321 North Clark Street  
Suite 2800  
Chicago, Illinois 60610-4764

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Check Enclosed

Charge to deposit account

8. Deposit account number: 06-1450

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

G. Peter Albert, Jr.

November 16, 2005

Name of person signing

Signature

Date

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

12/02/2005 DBYRNE 00000088 061450 11226502

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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

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Espoo  
FIN--02150  
Finland

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions in and to this invention relating to

**TRANSMISSION FORMAT INDICATION AND FEEDBACK IN MULTI-CARRIER WIRELESS  
COMMUNICATION SYSTEMS**

as set forth in this United States Patent Application

Check  
one

executed concurrently herewith  
 executed on \_\_\_\_\_  
 Serial No. 11/226,502 Filed September 14, 2005  
and

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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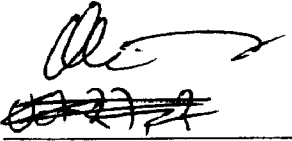
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**NAME AND SIGNATURE OF INVENTOR**

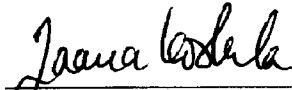
NAME: OLAV TIRKKONEN

SIGNATURE: 

DATE: Oct 27, 2005

**NAME AND SIGNATURE OF WITNESSES**

NAME: JAAVA KOSKELA

SIGNATURE: 

DATE: 27.10.2005

NAME: ANTI SORRI

SIGNATURE: 

DATE: 27.10.2005

**NAME AND SIGNATURE OF INVENTOR**

NAME: PAOLO PRIOTTI

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

Attorney Docket No. 037145-0726 (NC47267)

divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: PAOLO PRIOTTI      SIGNATURE: Paolo Priotti      DATE: 2005, Oct 31

**NAME AND SIGNATURE OF WITNESSES**

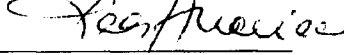
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NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ULRICO CELENTANO      SIGNATURE:       DATE: 6-OCT-2005

**NAME AND SIGNATURE OF WITNESSES**

NAME: TEA HUOVINEN      SIGNATURE:       DATE: 6-OCT-2005

NAME: KIRSI HIETANIEMI      SIGNATURE:       DATE: 6.10.2005

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