

01-07-2000



Form PTO 1595

101240676

Altera Docket No. 781.300USW1

et

U.S. Department of Commerce

Patent and Trademark Office

MRD 12-21-99

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

1. Name of conveying party(ies)

Olli PIIRAINEN  
Kari NIEMELA

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

Nokia Telecommunications Oy  
Keilalahdentie 4  
FIN-02150 Espoo  
FinlandAdditional names(s) of conveying party(ies) ☐ Yes ☒ NoAdditional name(s) & addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 17 and 18 September 1999

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 Number(s)  
09/401019

Patent Number(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Michael B. Lasky  
Address: Altera Law Group  
10749 Bren Road East, Opus 2  
Minneapolis, Minnesota 55343-9056

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41) \$40

- ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
☐ Authorized to charged to deposit account

8. Deposit Account number: 50-1038

01/06/2000 ISH08077 00000126 09401019

01 58 591

40.00 DP

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.

Michael B. Lasky  
Name of Person Signing

Signature

15 December 1999  
Date

Total number of pages including cover sheet, attachments, and document: 2

CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on 15 December 1999.

Michael B. Lasky  
Name

Signature

**PATENT**  
**REEL: 010468 FRAME: 0902**

# ASSIGNMENT

WHEREAS, Olli PIIRAINEN

Pikisaarentie 1 E 11  
FIN-90100 Oulu  
Finland

Kari NIEMELÄ

Löylykuja 3 as 2  
FIN-90560 Oulu  
Finland

have invented certain new and useful improvements in Transmission method and radio system  
for which we are about to make application for Letters

(I/We have made—or am/are about to make)

Patent of the United States of America;

AND WHEREAS, NOKIA TELECOMMUNICATIONS OY

Keilalahdentie 4, FIN-02150 Espoo, Finland

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the  
United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of

Ten Dollars (\$10,-)

to us in hand paid, the receipt of which is hereby acknowledged we  
have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the  
said

NOKIA TELECOMMUNICATIONS OY

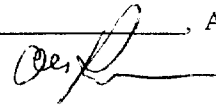
\* Our entire right, title, and interest in and to the said invention,  
as fully set forth and described in the:

Delete (a) specification prepared and executed by \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_,  
inapplicable wording (b) application filed on the 29th day of January, 1999, Serial No. PCT/FI99/00063,  
preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be  
held and enjoyed by the said NOKIA TELECOMMUNICATIONS OY  
for their own use and behoof, and for their legal representatives, to the full end of the term  
for which said Letters Patent are granted, as fully and entirely as the same would have been held by  
us had this assignment and sale not been made.

IN TESTIMONY WHEREOF, \_\_\_\_\_ hereunto set \_\_\_\_\_ hand \_\_\_\_\_ and affix \_\_\_\_\_ seal

at

Oulu, Finland this 17th day of September, A.D. 1999.  
18th



(Inventor's full Signature)



\* State whether the full and exclusive right, or what part of the whole interest is assigned.

RECORDED: 12/21/1999

PATENT  
REEL: 010468 FRAME: 0903