



05-23-2006

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OMB No. 0651-0027 (exp. 6/30/2008)



DEPARTMENT OF COMMERCE
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RECORDATION
PATENTS ONLY 103244178

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Kari VIRTANEN

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

2. Name and address of receiving party(ies)

Name: NOKIA NETWORKS OY

Internal Address: _____

Street Address: Keilalahdentie 4

City: FIN-02150 Espoo

State: _____

Country: Finland

Zip: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) July 20, 2001

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
10/967,228

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Christine H McCarthy, PILLSBURY WINTHROP SHAW PITTMAN LLP

Internal Address: _____

Street Address: 1650 Tysons Boulevard

City: McLean

State: VA

Zip: 22102-4856

Phone Number: (703) 770-7743

Fax Number: (703) 770-7901

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
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b. Deposit Account Number 033975

Authorized User Name _____

9. Signature:

Signature

5/18/06

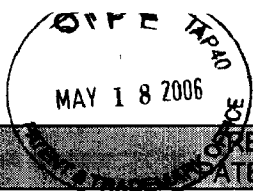
Date

Christine H. McCarthy
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



RECORDATION FORM COVER SHEET
PATENT APPLICATIONS & PATENTS ONLY

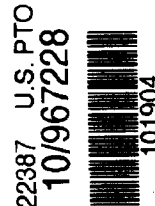
TO THE DIRECTOR OF THE US PATENT AND TRADEMARK OFFICE:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Kari VIRTANEN
- 3.
- 5.
- 7.

- 2.
- 4.
- 6.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO



2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Nokia Networks Oy

ADDRESS: Keilalahdentie 4, FIN-02150 Espoo, FINLAND

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: July 20, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
	0312427	VIRTANEN			

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500 McLean, VA 22102

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 8021)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 0312427	2980532US/PG-CON
MATTER NO.	CLIENT REF.

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT
NUMBER: 03-3975

UNDER ORDER NO	060258	0312427
dup. sheet not required	CLIENT NO.	MATTER NO.

9. 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.

Signature

Attorney: Christine H. McCarthy

Reg. No. 41844

Atty/Sec: CHM/jrh

TEL: 703.905.2143

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

2

Date: October 19, 2004

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

10/25/2004 GT0N11 00000153 033975 10967228

01 FC:8021 40.00 DA

ASSIGNMENT

WHEREAS, Kari VIRTANEN

Tohtorinkatu 34 D 17

FIN-33720 Tampere, Finland

has invented certain new and useful improvements in Method and system for limiting quality of service of data transmission

for which I am about to make

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

application for Letters Patent of the United States of America;

AND WHEREAS, NOKIA NETWORKS 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 one

Dollars (\$1.00) to me in hand paid, the receipt of which is hereby acknowledged I have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said Nokia Networks Oy * my entire right, title, and interest in and to the said invention, as fully set forth and described in the:

- (a) specification prepared and executed by _____ on the _____ day of _____, 20____,
- (b) application filed on the 15 day of December, ~~20~~1999, Serial No. PCT/FI99/01038, preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be held and enjoyed by the said Nokia Networks 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 me had this assignment and sale not been made.

Delete applicable wording

IN TESTIMONY WHEREOF, _____ hereunto set _____ hand _____ and affix seal _____ at Tampere, Finland this 20th day of July, A.D. 2001.



(Inventor's full Signature)

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