

09-22-2003



102555453

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

1. Name of conveying party(ies):

Jussi RUUTU
Jose COSTA-REQUENA
Kalevi KILKKI
Ossi KORHONEN
Marko SUOKNUUTI

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

Nokia Corporation
Keilalahdentie 4
FIN-02150 Espoo
FINLAND

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

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

3. Nature of conveyance:

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

Execution Date: July 28, 2003; July 28, 2003; August 4, 2003; July 4, 2003; and July 28, 2003

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

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

A. Patent Application No.(s)

B. Patent No.(s)

10/465,519 filed on 6/19/2003

Additional numbers attached? ☐ Yes ☒ No

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

Name: Steven R. Funk
Address: CRAWFORD MAUNU PLLC
1270 Northland Drive
Suite 390
St. Paul, MN 55120

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40
☒ Authorized to be charged to deposit account number 50-0996 (NOKM.053PA)

8. Please charge any additional fees or credit any overpayments to the above-referenced Deposit account number.

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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.

Steven R. Funk

Name of Person Signing

Signature

9/11/03

Date

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

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09/17/2003 LMUELLER 00000220 500996 10465519

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PATENT
REEL: 014494 FRAME: 0693

ASSIGNMENT

WHEREAS, I/we: Jussi Ruutu, residing at Illansuu 2 D4, 02210 Espoo, Finland; Jose Costa-Requena, residing at Karjalankatu 11 A 11, 00520 Helsinki, Finland; Kalevi Kilkki, residing at Takkavitsankuja 1D10, 02760 Espoo, Finland; Ossi Korhonen, residing at Miekkatie 4A, 01700 Vantaa, Finland; and Marko Suoknuuti, residing at Balderinkuja 3A, 02720 Espoo, Finland made certain new and useful inventions and improvements for which I/we herewith file an application for which Letters Patent of the United States; which is **APPARATUS AND METHOD FOR PROVIDING QUALITY OF SERVICE FOR A NETWORK DATA CONNECTION**, having serial number 10/465,519 filed on 19 June 2003 (Atty. Docket No. NOKM.053PA/NC 36655 US).

AND WHEREAS, Nokia Corporation, a corporation organized under the laws of Finland and having an office and place of business at Keilalahdentie 4, FIN-02150 Espoo, 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 therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/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 application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, 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 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 therefrom; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/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 me/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 improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/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 me/us and that full right to convey the same as herein expressed is possessed by me/us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of July, 2003.

Jussi Ruuti
Jussi Ruuti 22. 28th July 2003

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of July, 2003.

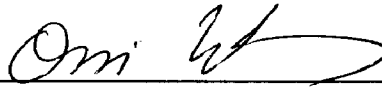
Jose Costa-Requena
Jose Costa-Requena

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of August, 2003.

Kalevi Kilkki
Kalevi Kilkki

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of

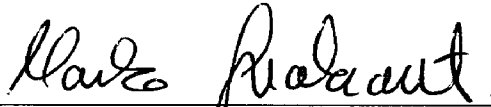
July, 2003.



Ossi Korhonen

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of

July, 2003.



Marko Suoknuuti