06-13-2003

Form PTO-1595 RECORDATION FORM (102472439

Patents & Trademark Office

Attorney Docket No. 60279.00029 Date: June 10, 2003

U.S. Department of Commerce

MAILSTOP ASSIGNMENT

1. Name of conveying party(ies)

KIVILAAKSO

Other _

☐ Security Agreement

6-10-03

To the Commissioner of Patents Please record the attached original documents or copy thereof 2. Name and address of receiving party(ies): 1) Teppo PASANEN; 2) Susanna VIRTANEN; and 3) Sami Name: Nokia Networks Oy Additional name(s) of conveying party(ies) attached? Address: P.O. Box 300

FIN-00045 Nokia Group FINLAND ☐ Yes ☑ No Additional name(s) & address(es) attached? ⊠ No

Additional numbers attached?

Yes

No

☐ Yes 3. Nature of conveyance:

Execution Date: 1) 04-17-2001; 2) 04-22, 2001; and 3) 04-18-2001

Merger ☐ Change of Name

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) 09/854,058

B. Patent No.(s)

One

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

Name: Squire Sanders & Dempsey L.L.P.

Street Address: 8000 Towers Crescent Drive, 14th Floor

Tysons Corner, Virginia 22182-2700

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

Included in attached Check No. ○10150

Total number of applications and patents involved:

Any additional fees are authorized to be charged to deposit account

8. Counsel's Deposit account number: 50-2222 (Attach duplicate copy of this page if paying by deposit account)

12/2003 **BBYRHE** 00000279 09854058

40.00 DP

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Statement and signature.

FC:8021

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.

Kevin F. Turner Name of Person Signing

Reg. No. 43,437

Signature

June 10, 2003 Date

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

PATENT REEL: 014153 FRAME: 0270

PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

WHEREAS,

- 1. Teppo Pasanen residing at Haapatie 27 C 44, FIN-01360 Vantaa, Finland and a citizen of Finland;
- 2. Susanna Virtanen residing at Vantaankallio 6 A 35, FIN-01730 Vantaa, Finland and a citizen of Finland;
- 3. Sami Kivilaakso residing at Kullervonkuja 9 B 7, FIN-02880 Veikkola, Finland and a citizen of Finland:

hereafter referred to as "THE UNDERSIGNED", have made an invention entitled

METHOD AND SYSTEM FOR THE MANAGEMENT OF A V5 INTERFACE

AND,WHEREAS, Nokia Networks Oy, hereafter referred to as ASSIGNEE, a corporation organized under the laws of Finland and whose place of business and business address is P.O. Box 300, FIN-00045 Nokia Group, Finland, is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFOR, in consideration of the sum of One Dollar, the receipt whereof is acknowledged, and other good and valuable consideration, THE UNDERSIGNED hereby sell, assign and transfer unto ASSIGNEE the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to all divisionals, continuations, continuations in part, reissues, reexaminations or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extension 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 said invention including an assignment of all rights under the provision of international conventions and all Letters Patent of foreign countries which may be granted therefrom; the UNDERSIGNED hereby authorize the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED, hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) 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 THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles and benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said Assignee its successors and assignees, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF. THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

	17.4.2001
Teppo Pasanen	Date
Susanna Virtanen	Date
Sami Kivilaakso	Date

No Legalization Required

PATENT REEL: 014153 FRAME: 0271

PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

WHEREAS,

- 1. Teppo Pasanen residing at Haapatie 27 C 44, FIN-01360 Vantaa, Finland and a citizen of Finland; Lusintie 577 as 4, FIN-19210 Lusi
- 3. Sami Kivilaakso residing at Kullervonkuja 9 B 7, FIN-02880 Veikkola, Finland and a citizen of Finland:

hereafter referred to as "THE UNDERSIGNED", have made an invention entitled

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THE UNDERSIGNED, hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) 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 THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles and benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said Assignee its successors and assignees, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Teppo Pasanen	Date
Sw _ U_t	29,4.2001
Susanna Virtanen	Date
Sami Kivilaakso	Date

No Legalization Required

PATENT REEL: 014153 FRAME: 0272

PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

WHEREAS.

- 1. Teppo Pasanen residing at Haapatie 27 C 44, FIN-01360 Vantaa, Finland and a citizen of Finland;
- Susanna Virtanen residing at Vantaankallio 6 A 35, FIN-01730 Vantaa, Finland and a citizen of Finland;
- 3. Sami Kivilaakso residing at Kullervonkuja 9 B 7, FIN-02880 Veikkola, Finland and a citizen of Finland;

hereafter referred to as "THE UNDERSIGNED", have made an invention entitled

METHOD AND SYSTEM FOR THE MANAGEMENT OF A V5 INTERFACE

AND,WHEREAS, Nokia Networks Oy, hereafter referred to as ASSIGNEE, a corporation organized under the laws of Finland and whose place of business and business address is P.O. Box 300, FIN-00045 Nokia Group, Finland, is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFOR, in consideration of the sum of One Dollar, the receipt whereof is acknowledged, and other good and valuable consideration, THE UNDERSIGNED hereby sell, assign and transfer unto ASSIGNEE the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to all divisionals, continuations, continuations in part, reissues, reexaminations or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extension 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 said invention including an assignment of all rights under the provision of international conventions and all Letters Patent of foreign countries which may be granted therefrom; the UNDERSIGNED hereby authorize the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

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THE UNDERSIGNED represent and agree with said Assignee its successors and assignees, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Teppo Pasanen	Date
Susanna Virtanen	Date 18,4.2001
Sami Kivilaakso	Date

No Legalization Required

PATENT RECORDED: 06/10/2003 REEL: 014153 FRAME: 0273