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03-12-2002



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To the Honorable Commissioner of Patents and Trademarks

Please record the attached original documents or copy thereof

| | |
|--|---|
| <p>1. Name of conveying party(ies) Matti Saarinen Seppo Isojarvi Jari Tiitinen Mikko Ohvo Petri Aalto Armi Mensio Markku Rantanen</p> <p>Additional names(s) of conveying party(ies) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. Name and address of receiving party(ies): Nokia Corporation Keilalahdentie 4 FIN-02150 Espoo Finland</p> <p>Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
|--|---|

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 7 November 2001, 7 November 2001, 19 November 2001, 21 November 2001, 8 November 2001, 23 November 2001, 28 November 2001

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:

| | |
|--|-------------------------|
| <p>A. Patent Application Number(s) 10:037349</p> | <p>Patent Number(s)</p> |
|--|-------------------------|

Additional numbers attached? Yes No

| | |
|--|--|
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name Michael B. Lasky Address: Altera Law Group 6500 City West Parkway – Suite 100 Minneapolis, Minnesota 55344-7701</p> | <p>6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. §3.41) \$40.00 <input checked="" type="checkbox"/> Enclosed – Any excess or insufficiency should be credited or debited to deposit account <input type="checkbox"/> Authorized to charged to deposit account 8. Deposit Account number: 50-1038</p> |
|--|--|

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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.

| | | |
|--|---------------|----------------------------------|
| <p>Michael B. Lasky Name of Person Signing</p> | Signature | <p><i>12 Feb 02</i> Date</p> |
|--|---------------|----------------------------------|

Total number of pages including cover sheet, attachments, and document: 3

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 12 Feb 02

Michael B. Lasky
Name Signature

PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

WHEREAS,

1. Matti Saarinen residing at Hatanpäänvaltatie 30, 33101 Tampere, Finland and a citizen of Finland;
2. Seppo Isojarvi residing at Mäkisenkentäntie 5 A2, 33480 Ylöjärvi, Finland and a citizen of Finland;
3. Jari Tiitinen residing at Kalaonnentie 3 D54, 02230 Espoo, Finland and a citizen of Finland;
4. Mikko Ohvo residing at Johanbergintie 102, 04660 Numminen, Finland and a citizen of Finland;
5. Petri Aalto residing at Pärrinkuja 2, 33920 Pirkkala, Finland and a citizen of Finland;
6. Armi Mensio residing at Eevankuja 4 a, 01400 Vantaa, Finland and a citizen of Finland;
7. Markku Rantanen residing at Tärttämäentie 106, 44100 Äänekoski, Finland and a citizen of Finland;

hereafter referred to as "THE UNDERSIGNED", have made an invention entitled **Device and Method for Measuring the Requested and Allocated Resources in Telecommunications System**.

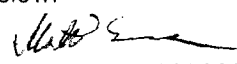


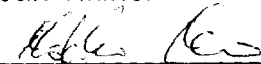
AND, WHEREAS, Nokia Corporation, hereafter referred to as ASSIGNEE, a corporation organized under the laws of Finland and whose place of business and business address is Keilalahdentie 4, 02150 Espoo, Finland, is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE 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.

| | |
|---|------------|
|  | 7.11.2001 |
| Matti Saarinen | Date |
|  | 7.11.2001 |
| Seppo Isojarvi | Date |
|  | 19.11.2001 |
| Jari Tiitinen | Date |
|  | 21.11.2001 |
| Mikko Ohvo | Date |

PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

Petri Aalto
Petri Aalto

8.11.2001
Date

Armi Mönisio
Armi Mönisio

23.11.2001
Date

Markku Rantanen
Markku Rantanen

28.11.2001
Date

No Legalization Required