

05-12-2004

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Docket No. KOLS.068PA



T

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102743624

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

1. Name of conveying party(ies):

Janne KALLIO
Jarmo SAARI
Tommi RAUSSI
Ossi MAENPAA
Markus VAALGAMAA
Erkki PAAJANEN
Kimmo KAUKORANTA
Andrew BRIGHT

S.10.04

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

Nokia Corporation
Keilalahdentie 4
FIN-02150 Espoo
FINLANDAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: December 19, 2003; December 17, 2003;
December 8, 2003; March 5, 2004; December 18, 2003; December
19, 2003; December 19, 2003; and December 9, 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)

10/705,077 filed on November 10, 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 (KOLS.068PA)

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

MAY 5, 2004

Date

Total number of pages including cover sheet, attachments, and document: 22

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05/11/2004 GTON11 00000146 500996 10705077

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PATENT
REEL: 015308 FRAME: 0324

ASSIGNMENT

WHEREAS, I/we: Janne KALLIO, Jarmo SAARI, Tommi RAUSSI, Ossi MÄENPÄÄ,
Markus VAALGAMAA, Erkki PAAJANEN, Kimmo KAUKORANTA and Andrew BRIGHT, residing
at
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VAALGAMAA: ~~Merikatu 24 D 33, FIN-00170 Helsinki, Finland~~ Suolakivenkatu 12 B 36,
PAAJANEN: Kuikankatu 39, FIN-33100 Tampere, Finland FIN-00810 Helsinki, Finland
KAUKORANTA: Kultasepantie 5 A 5, FIN-33880 Lempäälä, Finland
BRIGHT: Fredrikinkatu 36 B 33, FIN-00100 Helsinki, 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 entitled: CONTROLLING
METHOD, SECONDARY UNIT AND RADIO TERMINAL EQUIPMENT having serial number
10/705,077 filed on November 10, 2003 (Atty. Docket No. KOLS.068PA/NC36762US).

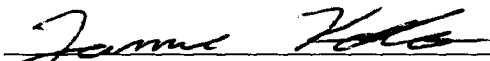
AND WHEREAS, Nokia Corporation, a corporation organized under the laws of Finland
and having an office and place of business at Keilalahdentie 4, FIN-02150 Espoo, FINLAND (hereinafter
"Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions,
improvements and 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 my/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 10 day of December, 2003.


Jarmo Kallio

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

Jarmo Saari

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

Tommi Raussi

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

Ossi Mäenpää

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

Markus Vaalgamaa

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

Erkki Paajanen

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

Kimmo Kaukoranta

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

Andrew Bright

ASSIGNMENT

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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 my/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.

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

Janne Kallio

IN TESTIMONY WHEREOF, I have hereunto set my hand this 17 day of December, 2003.



Jarmo Saari

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

Tommi Raussi

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

Ossi Mäenpää

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

Markus Vaalgamaa

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

Erkki Paajanen

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

Kimmo Kaukoranta

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

Andrew Bright

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

Janne Kallio

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

Jarmo Saari

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8th day of december, 2003.



Tommi Raussi

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

Ossi Mäenpää

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

Markus Vaalgamaa

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

Erkki Paajanen

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

Kimmo Kaukoranta

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

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Janne Kallio

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

Jarmo Saari

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

Tommi Raussi

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of

March 2004, 2003.



Ossi Mäenpää

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

Markus Vaalgamaa

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

Erkki Paajanen

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

Kimmo Kaukoranta

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Andrew Bright

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BRIGHT: Fredrikinkatu 36 B 33, FIN-00100 Helsinki, Finland

8.4.04 Markus Vaalgamaa

*Suolaki, vuokatu 12536, 00810
Helsinki*

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

Janne Kallio

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

Jarmo Saari

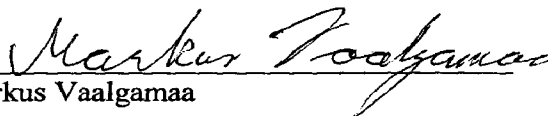
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2003.

Tommi Raussi

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

Ossi Mäenpää

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of
December, 2003.


Markus Vaalgamaa

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

Erkki Paajanen

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

Kimmo Kaukoranta

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

Andrew Bright

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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 my/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 _____ day of _____, 2003.

Janne Kallio

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

Jarmo Saari

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

Tommi Raussi


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

Ossi Mäenpää

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

Markus Vaalgamaa

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of 12.12., 2003.



Erkki Paajanen

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of 19.12., 2003.



Kimmo Kaukoranta

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

Andrew Bright

ASSIGNMENT

WHEREAS, I/we: Janne KALLIO, Jarmo SAARI, Tommi RAUSSI, Ossi MÄENPÄÄ,
Markus VAALGAMAA, Erkki PAAJANEN, Kimmo KAU KORANTA and Andrew BRIGHT, residing
at
KALLIO: Heinäkuja 10, FIN-92140 Pattijoki, Finland
SAARI: Ahmankuja 14, FIN-20750 Turku, Finland
RAUSSI: Välitie 9, FIN-24800 Halikko, Finland
MÄENPÄÄ: Esterinkatu 16, FIN-24100 Salo, Finland
VAALGAMAA: ~~Mariankatu 24 D 33, FIN-00170 Helsinki, Finland~~ Suolakivenkatu 12 B 36,
PAAJANEN: Kuikankatu 39, FIN-33100 Tampere, Finland FIN-00810 Helsinki, Finland
KAUKORANTA: Kultasepantie 5 A 5, FIN-33880 Lempäälä, Finland
BRIGHT: Fredrikinkatu 36 B 33, FIN-00100 Helsinki, 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 entitled: CONTROLLING
METHOD, SECONDARY UNIT AND RADIO TERMINAL EQUIPMENT having serial number
10/705,077 filed on November 10, 2003 (Atty. Docket No. KOLS.068PA/NC36762US).

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 my/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 _____ day of _____, 2003.

Janne Kallio

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

Jarmo Saari

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

Tommi Raussi

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

Ossi Mäenpää

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

Markus Vaalgamaa

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

Erkki Paajanen

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

Kimmo Kaukoranta

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of December, 2003.



Andrew Bright