

08-08-2001

DOCKET: 617-010265-US(PAR)
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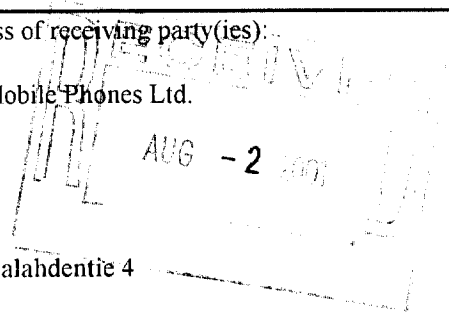
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Commissioner of Patents and Trademark

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Please record the attached document

<p>1. Name of conveying party(ies):</p> <p>1) Matti KANTOLA 2) Kalle KARKAS 3) Lauri PIIKIVI 4) Holger HUSSMANN 5) Valtteri NIEMI 6) Sander VAN VALKENBURG</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Nokia Mobile Phones Ltd.</p> <p>Address: Keilalahdentie 4</p> <p>City: 02150 Espoo State: ZIP Code:</p> <p>Country: Finland</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: 1) 1 June 2001, 2) 11 July 2001, 3) 28 May 2001, 4) 31 May 2001 5) 30 May 2001 6) 31 May 2001</p>	



<p>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> <p>A. Patent Application No.(s): 09/848,459</p> <p>B. Patent No.(s):</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
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<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Clarence A. Green Address: Perman & Green, LLP 425 Post Road</p> <p>City: Fairfield</p> <p>State: CT ZIP Code: 06430-6232</p>	<p>6. Total number of applications and/or patents involved: 1</p> <p>7. Total fee (37 CFR 3.41):\$40.00</p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account</p> <p>8. Deposit account number: <u>16-1350</u></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, the attached documents are either original documents or true copies of the original documents.

Clarence A. Green [Signature] 31 July 2001
Name of Person Signing Signature Date

Customer No.: 2512 Total number of pages including cover sheet(s): 19

08/07/2001 BY: 00000167 09848459

Page 1 of 1.

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NC 29791 US

Practitioner's Docket No. _____

PATENT

- For: U.S. and/or Foreign Rights
- For: U.S. Application or
 U.S. Provisional Application
- For: U.S. Patent
- For: PCT Application
- By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

<u>Matti KANTOLA</u> <i>(type or print name of inventors)</i>	<u>Yliopistokatu 44A308,</u> <u>90570 Oulu, Finland</u> <small>Address</small>		<small>Nationality</small>
<u>Kalle KÄRKÄS</u>	<u>Tullimiehentie 3 B13,</u> <u>90560 Oulu, Finland</u>		
<u>Lauri PIIKIVI</u>	<u>Rantakastellintie 14 D2,</u> <u>90230 Oulu, Finland</u>		
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<u>Valtteri NIEMI</u>	<u>Topeliuksenkatu 32 G11,</u> <u>00290 Helsinki, Finland</u>		
<u>Sander VAN VALKENBURG</u>	<u>Kalevalankatu 44 A12,</u> <u>00180 Helsinki, Finland</u>		

(Assignment of Invention-Multiple Inventors [16-3.21-page 1 of 3])

hereby sells, assigns and transfers to

ASSIGNEE:

Nokia Mobile Phones Ltd
(type or print name of ASSIGNEE)

Keilalahdentie 4, 02150 Espoo, Finland
Address

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided _____ percent (_____ %) interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority
in and to any and all improvements which are disclosed in the invention entitled:

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in (37 C.F.R. § 3.21)

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. provisional application naming the above inventor(s) for the above-entitled invention

Express mail label no.: _____
Mailed: _____

To comply with 37 C.F.R. § 3.21 for recordal of
this assignment, I an ASSIGNOR signing below,
hereby authorize and request my attorney to
insert below the filing date and application number
when they become known.

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A change of address to which correspondence is to be sent regarding patent
maintenance fees is being sent separately.

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(g) and any legal equivalent thereof in a foreign country, including the right to claim
priority

and, in and to. all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF. We have hereunto set hand and seal this 1.6.2001
Date of signing

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

<u>Matti KANTOLA</u> <i>(type name of Inventor)</i>	<u>Matti Kantola</u> Signature of INVENTOR
<u>Kalle KÄRKÄS</u>	_____
<u>Lauri PIIKIVI</u>	_____
<u>Holger HUSSMAN</u>	_____
<u>Valtteri NIEMI</u>	_____
<u>Sander VAN VALKENBURG</u>	_____

Notarization or Legalization Page Added.

NOTE: *No witnessing, notarization or legalization is necessary. " the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 U.S.C. § 261. Use next page if notarization is desired.*

(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

NC 29791 US

Practitioner's Docket No. _____

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For: U.S. and/or Foreign Rights
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<u>Kalle KÄRKÄS</u>	<u>Rantakastellintie 14 D2,</u> <u>90230 Oulu, Finland</u>		
<u>Lauri PIIKIVI</u>	<u>Birkenkamp 55,</u> <u>45770 Marl, Germany</u>		
<u>Holger HUSSMAN</u>	<u>Topeliuksenkatu 32 G11,</u> <u>00290 Helsinki, Finland</u>		
<u>Valteri NIEMI</u>	<u>Kalevalankatu 44 A12,</u> <u>00180 Helsinki, Finland</u>		
<u>Sander VAN VALKENBURG</u>			

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(e) International application no. PCT / _____ / _____
filed on _____

(f) U.S. patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority

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IN WITNESS WHEREOF. We have hereunto set hand and seal this 11.7.2001
Date of signing

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Matti KANTOLA
(type name of Inventor)

Signature of INVENTOR

Kalle KÄRKÄS



Lauri PIIKIVI

Holger HUSSMAN

Valtteri NIEMI

Sander VAN VALKENBURG

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(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

NL 29791 US

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(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 of 3)

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(type or print name of ASSIGNEE)

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for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority
in and to any and all improvements which are disclosed in the invention entitled:

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(e) International application no. PCT / _____ / _____
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(f) U.S. patent no. _____ issued _____
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(Assignment of Invention-Multiple Inventors [16-3.2]-page 2 of 3)

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IN WITNESS WHEREOF. We have hereunto set hand and seal this 28-May-2001
Date of signing

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Matti KANTOLA
(type name of Inventor)

Signature of INVENTOR

Kalle KÄRKÄS



Lauri PIIKIVI

Holger HUSSMAN

Valtteri NIEMI

Sander VAN VALKENBURG

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(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

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<u>Sander VAN VALKENBURG</u>	<u>Kalevalankatu 44 A12,</u> <u>00180 Helsinki, Finland</u>	

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IN WITNESS WHEREOF. We have hereunto set hand and seal this 31/5/01
Date of signing

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Matti KANTOLA
(type name of Inventor)

Signature of INVENTOR

Kalle KÄRKÄS

Lauri PIIKIVI

Holger HUSSMANN



Valtteri NIEMI

Sander VAN VALKENBURG

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IN WITNESS WHEREOF. We have hereunto set hand and seal this 30 May 2009
Date of signing

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Matti KANTOLA
(type name of Inventor)


Signature of INVENTOR

Kalle KÄRKÄS

Lauri PIIKIVI

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Valtteri NIEMI



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Sander VAN VALKENBURG

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PATENT
REEL: 012039 FRAME: 0105

hereby sells, assigns and transfers to

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(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority
in and to any and all improvements which are disclosed in the invention entitled:

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in (37 C.F.R. § 3.21)

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. provisional application naming the above inventor(s) for the above-entitled I invention

Express mail label no.: _____
Mailed: _____

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, I an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) U.S. application no. 09 / 848,459 filed on 5/3/01

(e) International application no. PCT / _____ / _____
filed on _____

(f) U.S. patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to. all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof .

IN WITNESS WHEREOF. We have hereunto set hand and seal this 31.05.2001
Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Matti KANTOLA
(type name of Inventor)

Signature of INVENTOR

Kalle KÄRKÄS

Lauri PIIKIVI

Holger HUSSMAN

Valtteri NIEMI

Sander VAN VALKENBURG



Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. " the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 U.S.C. § 261. Use next page if notarization is desired.

(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)