

02/14/2012

800.0808.U1(US)

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


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To the Director of the U.S. Patent and Tr.

Please record the attached document(s) or the new address(es) below:

|  |  |  |  |
|--|--|--|--|
| 1. Name of conveying party(ies):<br>Pasi Eino Tapio KINNUNEN<br>Kari J. HOOLI<br>Kari P. PAJUKOSKI<br>Esa T. THIROLA<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  | 2. Name and address of receiving party(ies):<br>Name: Nokia Corporation<br><br>Address: Keilalahdentie 4<br><br>City: Espoo<br>State: ZIP Code: FIN-02150<br><br>Country: Finland<br><br>Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                |  |
| 3. Nature of Conveyance:<br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other:<br><br>Execution Date(s): 01/24/2012, 01/24/2012, 01/24/2012,<br>01/24/2012, 01/27/2012, respectively   |  |  |  |
| 4. Application number(s) or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.<br>A. Patent Application No.(s):<br>13/354,564<br><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  | B. Patent No.(s):<br><br>  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br><br>Name: Robert J. Mauri, Esq.<br>Address: Harrington & Smith,<br>Attorneys At Law, LLC<br>4 Research Drive, Suite 202<br><br>City: Shelton<br><br>State: CT ZIP Code: 06484-6212  |  | 6. Total number of application(s) and/or patents involved: <u>40.00 DA</u> 1<br>7. Total fee (37 CFR 3.41): .....\$40.00<br><input type="checkbox"/> Enclosed<br><input checked="" type="checkbox"/> Charge deposit account<br><input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account |  |
|  |  | 8. Deposit account number: <u>50-1924</u>  |  |
| 9. Signature:<br><i>If this is a new cover sheet to correct an error in a recorded document, the information provided on this new cover sheet is true and correct and any copy submitted is a true copy of the original document.</i><br><br>Robert J. Mauri  <u>2/8/12</u><br>Name of Person Signing Signature Date<br><br>Total number of pages including cover sheet(s), attachments, and documents: 9<br>Page 1 of 9. |  |  |  |

Harrington & Smith Attorneys at Law, LLC Docket No.: 800.0808.U1(US)  
Nokia Docket No.: NC77722US

For ☒ U.S. and/or ☒ Foreign Rights  
For ☒ U.S. Application or ☐ U.S. Patent

### ASSIGNMENT OF INVENTION

In accordance with an agreement between ASSIGNEE and ASSIGNOR, if one name be listed below, or ASSIGNORS, if more than one name be listed below, and for good and valuable consideration,

**(1) ASSIGNOR (inventor):**

|                           |                              |                           |                                  |
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| FULL NAME<br>OF INVENTOR: | LAST NAME<br><b>Kinnunen</b> | FIRST NAME<br><b>Pasi</b> | MIDDLE NAME<br><b>Eino Tapio</b> |
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**(2) ASSIGNOR (inventor):**

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| FULL NAME<br>OF INVENTOR:   | LAST NAME<br><b>Nissila</b>                     | FIRST NAME<br><b>Mauri</b>    | MIDDLE NAME<br><b>J.</b> |
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hereby sell(s), assign(s) and transfer(s) to

**ASSIGNEE:**

**Nokia Corporation**  
Keilalahdentie 4  
02150 Espoo  
Finland  
-and-

**Nokia Siemens Networks Oy**  
Karaportti 3  
02610 Espoo  
Finland

and the successors, assigns and legal representatives of the ASSIGNEES, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, to any invention and all improvements which are disclosed in the invention entitled:

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which is found in:

- ☐ the patent application executed on the same date herewith,
- ☒ U.S. patent application number 13/354,564 filed January 20, 2012
- ☒ 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, the above application, or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof;

and any prior U.S. provisional patent application(s) (if any) including the following:


Application No.: \_\_\_\_\_

Filing Date: \_\_\_\_\_

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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(1) Assignor Name: **Pasi Eino Tapio Kinnunen**

By:   
Signature

24th January 2012  
Date

**Witnessed:**

(1)   
Witness Name:

24.1.2012  
Date

(2) Assignor Name: **Kari J. Hooli**

By: *Kari Hooli*  
Signature

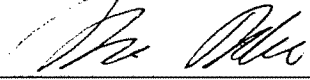
24.1.2012  
Date

**Witnessed:**

(2) *Be [unclear]*  
Witness Name:

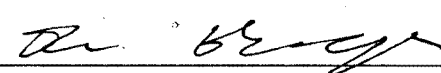
24.1.2012  
Date

(3) Assignor Name: **Kari P. Pajukoski**

By:   
Signature

24.01.2012  
Date

**Witnessed:**

(3)   
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24.1.2012  
Date

(4) Assignor Name: **Esa T. Tirola**

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24.1.2012  
Date

**Witnessed:**

(4) the Group  
Witness Name:

24.1.2012  
Date

(5) Assignor Name: Mauri J. Nissila

By: [Signature]  
Signature

27-Jan-2012  
Date

Witnessed:

(5) [Signature]  
Witness Name: Ilkka Keskitalo

27-Jan-2012  
Date