

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jari SUAKKO</td> <td>03/29/2012</td> </tr> <tr> <td>Mikko NURMI</td> <td>03/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jari SUAKKO	03/29/2012	Mikko NURMI	03/29/2012				
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Mikko NURMI	03/29/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Nokia Corporation</td> </tr> <tr> <td>Street Address:</td> <td>Keilalahdentie 4</td> </tr> <tr> <td>City:</td> <td>Espoo</td> </tr> <tr> <td>State/Country:</td> <td>FINLAND</td> </tr> <tr> <td>Postal Code:</td> <td>02150</td> </tr> </table>		Name:	Nokia Corporation	Street Address:	Keilalahdentie 4	City:	Espoo	State/Country:	FINLAND	Postal Code:	02150
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (203)255-5170 Phone: 2032591800 Email: msilveira@pgpatent.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Perman & Green, LLP Address Line 1: 99 Hawley Lane Address Line 4: Stratford, CONNECTICUT 06614</p>											
ATTORNEY DOCKET NUMBER:	982-014816-US (PAR)										
NAME OF SUBMITTER:	Joseph V. Gamberdell, Jr.										
<p>Total Attachments: 4 source=ExecAssignment_Saukko_C#page1.tif source=ExecAssignment_Saukko_C#page2.tif source=ExecAssignment_Nurmi_C#page1.tif source=ExecAssignment_Nurmi_C#page2.tif</p>											

CH \$40.00 13400983

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)	Docket No. 982-014816-US (PAR)
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This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ United States of America rights, title and interest in the invention
- ☒ Foreign rights, title and interest in the invention
- ☒ United States Patent Application Serial No. 13/400,983
- Date of Filing: 21 February 2012
- ☐ United States Provisional Patent Application Serial No. _____
- ☐ United States Patent No(s). _____
- ☐ International (PCT) Patent Application Serial No. _____
- ☐ Other (specify) _____

Title of the Invention

AN APPARATUS AND ASSOCIATED METHODS

Inventors (assignors)

Name	Address
Jari SAUKKO	Oreimankatu 3 33580 Tampere FINLAND
Mikko NURMI	Atalankatu 7 33580 Tampere FINLAND

Assignee

Name	Address
Nokia Corporation	Keilalahdentie 4, FIN-02150 Espoo FINLAND

J. Sauko

Jari Sauko

PATENT

Assignment of Rights, Title and Interest in Invention**(Multiple inventors; single assignee)**

Docket No.

982-014816-US (PAR)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;


Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Jari SAUKKO	 Date: 29.05.2012 TAP-2012
Mikko NURMI	Date:

PATENT**REEL: 028062 FRAME: 0910**

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)	Docket No. 982-014816-US (PAR)
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Title of the Invention

AN APPARATUS AND ASSOCIATED METHODS
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Inventors (assignors)

Name	Address
Jari SAUKKO	Orelmankatu 3 33580 Tampere FINLAND
Mikko NURMI	Atalankatu 7 33580 Tamperre FINLAND

Assignee

Name	Address
Nokia Corporation	Keilalahdentie 4, FIN-02150 Espoo FINLAND

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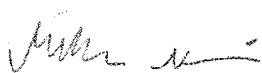
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And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

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Name	Signature/Date	
Jari SAUKKO		Date:
Mikko NURMI		Date: 29.3.2012