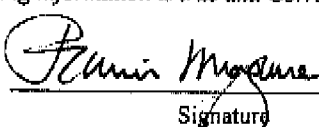


RECORDATION FORM COVER SHEET **PATENTS ONLY**

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Please record the attached document

<p>1. Name of conveying party(ies):</p> <p>Markku Anttoni OKSANEN, Ilkka TITTONEN, Mika Petteri KOSKENVUORI</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 Corporation</p> <p>Address: Keilalahdentie 4</p> <p>City: Espoo State: _____ ZIP Code: FIN-02150</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: June 12, 22, 23, 2009</p>	<p>4. Application number(s) or patent number(s):</p> <p>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): 12/470,855 filed May 22, 2009</p> <p>B. Patent No.(s): _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Francis J. Maguire Address: Ware, Fressola, Van Der Sluys & Adolphson LLP Bradford Green, Bldg. Five 755 Main St., P.O. Box 224</p> <p>City: Monroe</p> <p>State: CT ZIP Code: 06468</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 type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account</p> <p>8. Deposit account number: 23-0442</p>
<p>DO NOT USE THIS SPACE</p>	
<p>9. Statement And Signature:</p> <p><i>To the best of my knowledge and belief, the foregoing information is true and Correct and, the attached document is either an original document or a true copy of the original document.</i></p> <p><u>Francis J. Maguire</u> Name of Person Signing</p> <p align="center"> Signature</p> <p align="right"><u>23-JULY-2009</u> Date</p> <p align="right">Customer No.: 4955 Total number of pages including cover sheet(s): 12</p>	
<p>Page 1 of 1.</p>	

CH \$40.00 230442 12470855

Docket No. 915-011.033

Serial No. 12/470,855

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, WE, MARKKU ANTTONI OKSANEN, a citizen of Finland, residing at Kaarikuja 4D82, Helsinki 00940 Finland, **ILKKA TITTONEN**, a citizen of Finland, residing at Sammalkallio 11B, Kirkkonummi 02400 Finland and **MIKA PETTERI KOSKENVUORI**, a citizen of Finland, residing at Kirkkonummentie 30B4, Espoo 02140 Finland hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in **RESONATORS, RESONATOR ARRAYS, APPRATUS AND METHODS**, which is described in an application for Letters Patent of the United States, Serial No. 12/470,855 filed May 22, 2009; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial property, as amended, or by convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

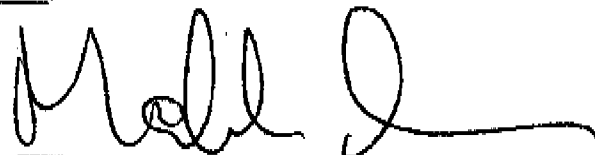
We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may

Docket No. 915-011.033
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be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Helsinki this 17th day of June, in the year 2009.



Markku Anttoni OKSANEN

Docket No. 915-011.033

Serial No. 12/470,855

Signed at _____ this _____ day of
_____, in the year 2009.

Ilkka TITTONEN

Docket No. 915-011.033
Serial No. 12/470,855

Signed at _____ this _____ day of
_____, in the year 2009.

Mika Petteri KOSKENVUORI

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, WE, MARKKU ANTTONI OKSANEN, a citizen of Finland, residing at Kaarikuja 4D82, Helsinki 00940 Finland, **ILKKA TITTONEN**, a citizen of Finland, residing at Sammalkallio 11B, Kirkkonummi 02400 Finland and **MIKA PETTERI KOSKENVUORI**, a citizen of Finland, residing at Kirkkonummentie 30B4, Espoo 02140 Finland hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in **RESONATORS, RESONATOR ARRAYS, APPRATUS AND METHODS**, which is described in an application for Letters Patent of the United States, Serial No. 12/470,855 filed May 22, 2009; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

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We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial property, as amended, or by convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may

Docket No. 915-011.033
Serial No. 12/470.853

be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at _____ this _____ day of _____, in the year 2009.

Markku Anttoni OKSANEN

Docket No. 915-011.033
Serial No. 12/470,855

Signed at Espoo this 22nd day of
June, in the year 2009.


Ilkka TITTONEN

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, WE, MARKKU ANTTONI OKSANEN, a citizen of Finland, residing at Kaarikuja 4D82, Helsinki 00940 Finland, **ILKKA TITTONEN**, a citizen of Finland, residing at Sammakallio 11B, Kirkkonummi 02400 Finland and **MIKA PETTERI KOSKENVUORI**, a citizen of Finland, residing at Kirkkonummentie 30B4, Espoo 02140 Finland hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in **RESONATORS, RESONATOR ARRAYS, APPRATUS AND METHODS**, which is described in an application for Letters Patent of the United States, Serial No. 12/470,855 filed May 22, 2009; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

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We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may

Docket No. 915-011,033
Serial No. 12/470,855

be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at _____ this _____ day of _____, in the year 2009.

Markku Anttoni OKSANEN

Docket No. 915-011,033
Serial No. 12/470,855

Signed at _____ this _____ day of
_____, in the year 2009.

Ilkka TITTONEN

Docket No. 915-011,033
Serial No. 12/470,855

Signed at Espoo this 23rd day of
June, in the year 2009.


Mika Petteri KOSKENVUORI