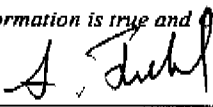


Form PTO-1595

944-003.197-1

**RECORDATION FORM COVER SHEET  
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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Please record the attached document

<b>1. Name of conveying party(ies):</b>  Matti S. HÄMÄLÄINEN  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies):</b>  Name: NOKIA CORPORATION  Address: Keilalahdentie 4  Espoo State: FIN-02150  Country: FINLAND  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of Conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: January 14, 2005			
<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s): 11/015,755 B. Patent No.(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: Anatoly Frenkel Address: Ware, Fressola, Van Der Sluys & Adolphson LLP Bradford Green, Bldg. Five 755 Main St., P.O. Box 224  City: Monroe  State: CT ZIP Code: 06468		<b>6. Total number of applications and/or patents involved:</b> ..... 1 <b>7. Total fee (37 CFR 3.41):</b> .....\$40.00  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account  <b>8. Deposit account number:</b> 23-0442	
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<b>9. Statement And Signature:</b>  <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>  <div style="display: flex; justify-content: space-between;"><div><u>Anatoly Frenkel</u> Name of Person Signing</div><div> Signature</div><div>February 10, 2005 Date</div></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>Customer No.: 4955</div><div>Total number of pages including cover sheet(s):</div></div>			
Page 1 of 1.			

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PATENT  
REEL: 015700 FRAME: 0477

Application Serial No. 11/015,755  
Attorney Docket No. 944-003.197-1

### ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, I, **Matti S. HÄMÄLÄINEN**, a citizen of Finland residing at Kanavatie 3, FIN-37500 Lempäälä, Finland, hereby sell, assign and transfer to **NOKIA CORPORATION**, an organization 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 a **METHOD FOR EFFICIENT BEAMFORMING USING A COMPLEMENTARY NOISE SEPARATION FILTER**, which is described in an application for Letters Patent of the United States filed on **December 16, 2004**, now bearing U.S. Patent Application Serial No. **11/015,755** and which claims priority from US Provisional Application Serial No. 60/532,360 filed December 24, 2003; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

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

I agree that, when requested, I 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.

I 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 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; and to invoke and claim such right of priority without further written or oral authorization

Application Serial No. 11/015,755  
Attorney Docket No. 944-003.197-1

from me.

I 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 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.


I 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 I have full right to convey the same as herein expressed.

Signed at Tampere this 14  
(city/state/country) (day)  
day of January, 2005.  
(month)

  
Matti S. HAMALAINEN

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness  Date 14.1.2005

Witness  Date 14.1.2005