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872.0201.U1(US)

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3. Nature of Conveyance: <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: September 24, 2004			
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: September 24, 2004 A. Patent Application No.(s): 101950325 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Harry F. Smith, Esq. Address: Harrington & Smith, LLP 4 Research Drive City: Shelton State: CT ZIP Code: 06484-6212		6. Total number of applications and/or patents involved: 1 7. Total fee (37 CFR 3.41):\$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account	
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For ☒ U.S. and/or ☒ Foreign Rights
For ☒ U.S. Application or ☐ U.S. Patent
For ☐ PCT Application
By Single or Multiple Inventors

ASSIGNMENT OF INVENTION

Nokia Corporation Docket No. NC37482
Harrington & Smith, LLP Docket No.: 872.0201.U1(US)
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):

FULL NAME OF INVENTOR	LAST NAME Kosonen	FIRST NAME Timo	MIDDLE NAME Antero
RESIDENCE CITIZENSHIP	STATE OR COUNTRY Tampere, Finland	CITIZENSHIP Finland	
POST OFFICE ADDRESS	P.O. ADDRESS Ristinarkuntie 19 D 47	CITY & COUNTRY Tampere, Finland	

ASSIGNEE:

**Nokia Corporation
Keilalahdentie 4, 02150
Espoo, Finland**

and the successors, assigns and legal representatives of the ASSIGNEE

☒ 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
in and to any and all improvements which are disclosed in the invention entitled:

**Method and Apparatus to Modify Pitch Estimation Function in Acoustic
Signal Musical Note Pitch Extraction**

that is found in

X U.S. patent application executed on even date herewith

X 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.

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.

ASSIGNOR(S) further covenant(s) 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(S) 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, I (We) have hereunto set hand and seal this

24 Sep 2004

(Date(s) of Signing by Assignors).

(1) **Timo Kosonen**
Assignor Name

Timo Kosonen
Signature

Witnessed by

KAI HAVUKAINEN

Signature of Witness

K. H.

24. 9. 2004
Date