

04-14-2003

Form PTO-1595



871.0109.U1(US)

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1. Name of conveying party(ies): Jukka Tapaninen 4-4-03		2. Name and address of receiving party(ies): Name: Nokia Corporation Address: Keilalahdentie 4 City: Espoo State: ZIP Code: FIN-02150 Country: Finland	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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4. Execution Date: April 2, 2003			
5. 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: <u>April 2, 2003</u> A. Patent Application No.(s): 10408057		B. Patent No.(s):	
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6. Name and address of party to whom correspondence concerning document should be mailed: Name: Harry F. Smith Address: Harrington & Smith, LLP 4 Research Drive City: Shelton State: CT ZIP Code: 06484-6212		7. Total number of applications and/or patents involved: 1 8. 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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Total number of pages including cover sheet(s): 3 Page 1 of 1.			

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PATENT
REEL: 013937 FRAME: 0208

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

Docket No. NC 34564

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):

(1) FULL NAME OF INVENTOR	LAST NAME Tapaninen	FIRST NAME Jukka	MIDDLE INITIAL
RESIDENCE & CITIZENSHIP	STATE OR COUNTRY San Diego, California	CITIZENSHIP Finland	
POST OFFICE ADDRESS	P.O. ADDRESS 3324 Jewell Street	CITY & COUNTRY San Diego, California 92109 USA	

hereby sell(s), assign(s) and transfer(s) to

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 PROVIDING UNBIASED SIGNAL-TO-NOISE RATIO ESTIMATION AND ITS APPLICATIONS TO DISCONTINUOUS TRANSMISSION DETECTION

that is found in

☒ the patent application executed on the same date herewith,

☐ U.S. Patent Application No.: _____ filed _____

☒ 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.

(1) Jukka Tapaninen
Assignor Name

Witnessed by

Jukka Tapaninen 04/02/2003
Signature Date
[Signature]
Signature
4-2-03
Date