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the attached document

1. Name of conveying party(ies): Yuanbin Guo, Dennis McCain, Joseph R. Cavallaro Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Nokia Corporation Address: Keilalahdentie 4 City: Espoo State: ZIP Code: 02150 Country: Finland Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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: January 27, 2005 and January 31, 2005, respectively		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: A. Patent Application No.(s): 10/997,442 B. Patent No.(s): 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 Address: Harrington & Smith, LLP 4 Research Drive City: Shelton State: CT ZIP Code: 06484-6212		6. Total number of applications and/or patents involved: ..... 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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9. Statement And Signature: <p style="text-align: center;"><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> <div style="display: flex; justify-content: space-between;"> <div> <u>Harry F. Smith</u>            Name of Person Signing         </div> <div>             Signature         </div> <div> <u>2/4/2005</u>            Date         </div> </div> <p style="text-align: right;">Total number of pages including cover sheet(s): 5</p> <p style="text-align: right;">Page 1 of 5.</p>			

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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. NC48136

Harrington & Smith, LLP Docket No.: 871.0141.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 Guo	FIRST NAME Yuanbin	MIDDLE NAME
RESIDENCE CITIZENSHIP	STATE OR COUNTRY Richardson, Texas	CITIZENSHIP China	
POST OFFICE ADDRESS	P.O. ADDRESS 2200 Waterview Parkway, 2132, Richardson, TX 75080, USA	CITY & COUNTRY	

#### (2) ASSIGNOR (inventor):

FULL NAME OF INVENTOR	LAST NAME McCain	FIRST NAME Dennis	MIDDLE NAME
RESIDENCE CITIZENSHIP	STATE OR COUNTRY Lewisville, Texas	CITIZENSHIP USA	
POST OFFICE ADDRESS	P.O. ADDRESS 2766 Hillview Drive, Lewisville, TX 75067, USA	CITY & COUNTRY	

**(3) ASSIGNOR (inventor):**

FULL NAME OF INVENTOR	LAST NAME <b>Cavallaro</b>	FIRST NAME <b>Joseph</b>	MIDDLE NAME <b>R</b>
RESIDENCE CITIZENSHIP	STATE OR COUNTRY <b>Pearland, Texas</b>	CITIZENSHIP <b>USA</b>	
POST OFFICE ADDRESS	P.O. ADDRESS <b>2319 Alberton Lane, Pearland, TX 77584, USA</b>	CITY & COUNTRY	

**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:

**FFT ACCELERATED ITERATIVE MIMO EQUALIZER RECEIVER  
ARCHITECTURE**

that is found in

☒ U.S. Patent Application No. **10/997,442** filed on **November 24, 2004**.

☒ and any legal equivalent thereof in a foreign country,  
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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

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IN WITNESS WHEREOF, I (We) have hereunto set hand and seal this

01/27/2005

(Date(s) of Signing by Assignors).

(1) **Yuanbin Guo**  
Assignor Name

Yuanbin Guo  
Signature

Witnessed by

Dennis McCain

Signature of Witness

Dennis McCain

01/27/2005  
Date

(2) **Dennis McCain**  
Assignor Name

Dennis McCain  
Signature

Witnessed by

YUANBIN GUO

Signature of Witness

Yuanbin Guo

01/27/2005  
Date

(3) **Joseph R. Cavallaro**  
**Assignor Name**

Joseph R. Cavallaro  
**Signature**

31 JAN. 2005

**Witnessed by**

Hanna Saarel

**Signature of Witness**

Hanna Saarel

31 January 2005

**Date**