

07-14-2009

863.0102.U1(US)

REC

ET



103567132

Commissioner of Patents and Trademark

7-13-09

<p>1. Name of conveying party(ies):</p> <p>Esa T. Tirola Kari Hooli Kari P. Pajukoski Sabine Roessel</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 Siemens Networks Oy</p> <p>Address: Karaportti 3</p> <p>City: Espoo State: ZIP Code: 02610</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(s): 6/15/2009, 6/14/2009, 6/16/2009, 7/6/2009, respectively</p>	<p>4. Application number(s) or patent number(s): <input type="checkbox"/> This document is being filed together with a new application:</p> <p>A. Patent Application No.(s): 12/454,675</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: John Garrity Address: Harrington & Smith, PC 4 Research Drive</p> <p>City: Shelton</p> <p>State: CT ZIP Code: 06484-6212</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 checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account</p> <p>8. Deposit account number: <u>50-1924</u></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>John Garrity</u> Name of Person Signing</p> <p> Signature</p> <p><u>7/7/09</u> Date</p> <p>Total number of pages including cover sheet(s): 7</p> <p>Page 1 of 7</p>	

07/13/2009 DBYRNE 00000030 501924 12454675
01 FC:0021 40.00 DA

For U.S. and/or Foreign Rights
For U.S. Application or U.S. Patent
For PCT International Application

ASSIGNMENT OF INVENTION

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	FIRST NAME	MIDDLE NAME
	Tiirola	Esa	T.

RESIDENCE & CITIZENSHIP:	CITY & STATE OR COUNTRY	CITIZENSHIP
	Kempele, Finland	Finland

POST OFFICE ADDRESS: **Porttikellonkuja 12, FIN-90450 Kempele, Finland**

(2) ASSIGNOR (inventor):

FULL NAME OF INVENTOR :	LAST NAME	FIRST NAME	MIDDLE NAME
	Hooli	Kari	

RESIDENCE & CITIZENSHIP:	CITY & STATE OR COUNTRY	CITIZENSHIP
	Oulu, Finland	Finland

POST OFFICE ADDRESS: ~~Nykäsenkankaantie 6 A 7, FIN-90650 Oulu, Finland~~

14.6. K.H. 2009
14.6. K.H. 2009
PALONIEMENRANTA 576, FIN-90540 Oulu

(3) ASSIGNOR (inventor):

FULL NAME OF INVENTOR :	LAST NAME	FIRST NAME	MIDDLE NAME
	Pajukoski	Kari	P.

RESIDENCE & CITIZENSHIP:	CITY & STATE OR COUNTRY	CITIZENSHIP
	Oulu, Finland	Finland

POST OFFICE ADDRESS: **Purantie 3, FIN-90240 Oulu, Finland**

(4) ASSIGNOR (inventor):

FULL NAME OF INVENTOR : LAST NAME FIRST NAME MIDDLE NAME
 Roessel **Sabine**

RESIDENCE & CITY & STATE OR COUNTRY CITIZENSHIP
CITIZENSHIP: **Muenchen, Germany** **Germany**

POST OFFICE ADDRESS: **Liscowstrasse 1b, D-81739 Muenchen, Germany**

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

ASSIGNEE:

Nokia Siemens Networks Oy
Karaportti 3
02610 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, and to any and all improvements which are disclosed in the invention entitled:

**Deployment of LTE UL System For Arbitrary System Bandwidths
Via PUCCH Configuration**

which is found in:

- the patent application executed on the same date herewith,
- U.S. patent application number 12/454,675 filed May 20, 2009,
- PCT International 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;


and any prior U.S. provisional patent application(s) (if any) including the following:

Application No.: 61,128,341 Filing Date: May 21, 2008

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) Esa T. Tiirola
Assignor Name



Signature
15.6.2009

Date

(2) **Kari Hooli**
Assignor Name



Signature

14.6.2009

Date

(3) **Kari P. Pajukoski**
Assignor Name

Kari Pajukoski

Signature
16.6.2009

Date

(4) Sabine Roessel
Assignor Name

Sabine Roessel
Signature
July 6th, 2009
Date