

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6810643

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIMO ERKKI LUNTTILA	05/27/2010
ESA TAPANI TIIROLA	05/10/2010
KARI PEKKA PAJUKOSKI	05/10/2010
KARI JUHANI HOOLI	05/10/2010
RECEIVING PARTY DATA	
Name:	NOKIA SIEMENS NETWORKS OY
Street Address:	KARAPORTTI 3
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16780452
CORRESPONDENCE DATA	
Fax Number:	(215)568-6499
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2155686400
Email:	awolf@vklaw.com
Correspondent Name:	ROBERT D. LEONARD
Address Line 1:	VOLPE KOENIG
Address Line 2:	30 SOUTH 17TH STREET
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	WFT-P01839US5
NAME OF SUBMITTER:	ROBERT D. LEONARD
SIGNATURE:	/ROBERT D. LEONARD/
DATE SIGNED:	07/13/2021
Total Attachments: 3	
source=WFT-P01839US5-ExecutedAssignmentInventorsToNokia-part1-20100527#page1.tif	
source=WFT-P01839US5-ExecutedAssignmentInventorsToNokia-part1-20100527#page2.tif	

Form PTO-1595 (Rev. 08/08)
OMB No. 0651-0027 (exp. 9/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent & Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

Attorney Docket No. **089229.00353**

To the Director of the U.S. Patent and Trademark Office
Please record the attached documents or the new address(es) below

<p>1. Name of conveying party(ies)</p> <p>1) Timo Erkki LUNTTILA 2) Esa Tapani TIROLA 3) Kari Pekka PAJUKOSKI 4) Kari Juhani HOOLI</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p><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>Internal Address:</p> <p>Street Address: Karaportti 3</p> <p>City: Espoo State:</p> <p>Country: Finland Zip: 02610</p> <p>Additional name(s) & address(es) attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>3. Nature of conveyance/Execution Date(s):</p> <p>Execution Date(s): 1) May 27, 2010 2) May 10, 2010 3) May 10, 2010 4) May 10, 2010</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Security Agreement <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>			
<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) 12/752,572 B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: Squire Sanders & Dempsey L.L.P.</p> <p>Internal Address:</p> <p>Street Address: 8000 Towers Crescent Drive, 14th Floor City: Vienna State: Virginia Zip: 22182-6212 Phone Number: (703) 720-7800 Fax Number: (703) 720-7802 Email Address: ipgeneraltyc@ssd.com</p>		<p>6. Total number of applications and patents involved: One</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41)..... \$ 40.00</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed. Check No. _____ <input type="checkbox"/> None required (government interest not affecting title)</p>	
		<p>8. Payment Information</p> <p>Deposit Account Number: 50-2222 Authorized User Name: Peter Flanagan</p>	
<p>9. Signature: <u><i>Peter Flanagan</i></u> <u>June 22, 2010</u></p> <p>Peter Flanagan Reg. 58,178</p> <p>Name of Person Signing Date</p> <p>Total number of pages including cover sheet, attachments, and documents: 4</p>			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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PATENT
REEL: 056841 FRAME: 0284

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SQUIRE SANDERS & DEMPSEY L.L.P.

Docket No. 089229.00353

WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR)

by

[Insert
ASSIGNEE's
Name(s)
Address(es)]

Nokia Siemens Networks Oy

Karaportti 3

02610 Espoo

Finland

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

**PERIODIC CHANNEL STATE INFORMATION SIGNALING WITH
CARRIER AGGREGATION**

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

for which the following applications were filed:

*Filed on:	1 April 2010	Application	12/752,572
	(Day Month Year)	Number(s)	

(Squire, Sanders & Dempsey L.L.P. is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of any country in the world to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)
of Assignor(s)]

Timo Erkki Lunttila
(SIGNATURE)

Timo Erkki LUNTTILA
(TYPE NAME)

May 27th, 2010
(DATE)

(SIGNATURE)

Esa Tapani TIIROLA
(TYPE NAME)

(DATE)

(SIGNATURE)

Kari Pekka PAJUKOSKI
(TYPE NAME)

(DATE)

(SIGNATURE)

Kari Juhani HOOLI
(TYPE NAME)

(DATE)

(SIGNATURE)

(TYPE NAME)

(DATE)

(SIGNATURE)

(TYPE NAME)

(DATE)

PATENT

REEL: 056841 FRAME: 0285

SQUIRE SANDERS & DEMPSEY L.L.P.

Docket No. 089229.00353

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For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR)
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[Insert
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Name(s)
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Nokia Siemens Networks Oy
Karaportti 3
02610 Espoo
Finland

(hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

[Title of
Invention]

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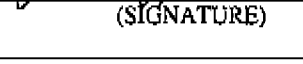
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[Signature(s)
of Assignor(s)]

(SIGNATURE)	Timo Erkki LUNTTILA	(DATE)
	(TYPE NAME)	10.5.2010
(SIGNATURE)	Esa Tapani TIROLA	(DATE)
	(TYPE NAME)	10.5.2010
(SIGNATURE)	Kari Pekka PAJUKOSKI	(DATE)
	(TYPE NAME)	10.5.2010
(SIGNATURE)	Kari Juhani HOOLI	(DATE)
	(TYPE NAME)	
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)

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RECORDED: 07/13/2021

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