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RECORDATION FORM COVER SHEET PATENTS ON

Date: May 6, 2008

05-12-2008

103501921

ttorney Docket No. 089229.00210

	To the Director	of	the	U.S.	. Pa	ten	t and	Trademark	Office	

Please record the attached original documents or copy thereof 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): 1) Shu-Shaw (Peter) WANG 2) Tony REID Name: Nokia Siemens Networks Oy Marilynn GREEN Additional name(s) of conveying party(ies) attached? Address: Karaportti 3 ☑ No 02610 Espoo, Finland ☐ Yes 3. Nature of conveyance/Execution Date(s): Additional name(s) & address(es) attached? Execution Date(s): 1) March 31, 2008 2) April 11, 2008 ☐ Yes ☑ No 3) March 31, 2008 Assignment ☐ Merger ☐ Change of Name Government Interest Assignment Joint Research Agreement ☐ Security Agreement Executive Order 9424, Confirmatory License Other 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) B. Patent No.(s) 12/071,153 Additional numbers attached? 

Yes ⊠ No

5. Name and address of party to whom correspondence concerning

Name: Squire Sanders & Dempsey L.L.P.

Street Address: 8000 Towers Crescent Drive, 14th Floor

Tysons Corner, Virginia 22182-6212 Phone Number: (703) 720-7800 Fax Number: (703) 720-7802

document should be mailed:

- 6. Total number of applications and patents involved:
- 7. Total fee (37 CFR 1.21(h) & 3.41)......... \$ 40.00
  - ☑ Included in attached Check No. 18737.
  - Any additional fees are authorized to be charged to deposit account
- 8. Counsel's Deposit account number: 50-2222 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David D. Nelson Name of Person Signing Reg. No. 47,818

Signature

May 6, 2008

48,98 86

Total number of pages including cover sheet, attachments, and document: 3

Docket No. 089229.00210

## WORLDWIDE INVENTION ASSIGNMENT

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

by (Insert ASSIGNEE's Nokia Siemens Networks Oy Name(s) Karaportti 3 Address(es)] 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 SYMMETRICAL COOPERATIVE DIVERSITY IN THE RELAY-ENABLED WIRELESS SYSTEMS Invention) for which the following applications were filed: (\*If the assignment \*Filed on: 15 February 2008 12/071,153 Application is being filed Number(s) after the filing of the application, this section must be (Squire, Sanders & Dempsey L.L.P. is hereby authorized to insert the series code, serial number completed] 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) Shu-Shaw (Peter) WANG of Assignor(s)] (TYPE NAME) Tony REID (SIGHATURE) (TYPE NAME) (DATE) Marilynn GREEN 31 2008 (TYPE NAME) (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE) (TYPE NAME) (DATE)

> PATENT REEL: 020940 FRAME: 0796

Docket No. 089229.00210

## WORLDWIDE INVENTION ASSIGNMENT

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

	by								
(Insen ASSIGNEE's Name(s)	Nokia Sieme	ens Networks Oy							
Address(cs)]	Karaportti 3	Karaportti 3							
		02610 Espoo, Finland							
		OND AV EMPOOR A CHARACTER							
	(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]	SYMMETRICAL COOPERATIVE DIVERSITY IN THE RELAY-ENABLED WIRELESS SYSTEMS								
	for which the following applications were filed:								
[*If the assignment is being filed after the filing of the application, this section must be completed]	*Filed on:	15 February 2008	Application Number(s)	12/071,153					
	(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 undersigne	d inventor(s) has (have) affixed his	/her/their signature(s).					
(Signature(s)			Shu-Shaw (Peter) WANC	}					
of Assignor(s)]	(SI	NATURE)	(TYPE NAME)	(DATE)					
		154	Tony REID	11/1/2016					
	(SIGNATURE)		(TYPE NAME)	(DATE)					
			Marilynn GREEN						
	(SI	GNATURE)	(TYPE NAME)	(DATE)					
	(SIC	GNATURE)	(TYPE NAME)	(DATE)					
	(SIC	GNATURE)	(TYPE NAME)	(DATE)					

PATENT REEL: 020940 FRAME: 0797

(DATE)

(TYPE NAME)

**RECORDED: 05/06/2008** 

(SIGNATURE)