05-11-2006 U.S. Department of Commerce Form PTO-1595 RECORDATION FORM CC Patents & Trademark Office Attorney Docket No. 59643.00663 103236110 Date: May 5, 2006 **MAILSTOP ASSIGNMENT** To the Director of the U.S. Patent and Trademark Office Please record the attached original documents or copy thereof 2. Name and address of receiving party(ies): Name of conveying party(ies) Sathiaseelan SUNDARALINGAM Name: Nokia Corporation Mikko SAILY Khairul HASAN Address: Keilalahdentie 4 FIN-02150 Espoo **Eric JONES** Additional name(s) of conveying party(ies) attached? Finland Additional name(s) & address(es) attached? ☐ Yes ☑ No ☐ Yes ⊠ No 3. Nature of conveyance/Execution Date(s): Execution Date(s): 1)-3) 03/20/06; 4) 04/10/06 ☐ Change of Name
☐ Security Agreement Government Interest Assignment Joint Research 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: 1)-3) 03/20/06; 4) 04/10/06 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached?

Yes ☑ No Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: document should be mailed: Name: Squire Sanders & Dempsey L.L.P. 7. Total fee (37 CFR 1.21(h) & 3.41)....... \$ 40.00 Street Address: 8000 Towers Crescent Drive, 14th Floor ☑ Included in attached Check No. 14414. Tysons Corner, Virginia 22182-2700 Any additional fees are authorized to be charged to Phone Number: (703) 720-7800 deposit account Fax Number: (703) 720-7802 05#10/2006 DBYRNE 00000124 502222 11418269 8. Counsel's Deposit account number: 50-2222 (Attach duplicate copy of this page if paying by 40.00 DA 01 FC:8021 deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is fue and correct and any attached copy is a true copy of the original document. Douglas H. Goldhush May 5, 2006 Name of Person Signing Signature Date Reg. No. 33,125 Total number of pages including cover sheet, attachments, and document: 4

> PATENT REEL: 017875 FRAME: 0450

Docket No. 59643.00663

WORLDWIDE INVENTION ASSIGNMENT

finsert

Name(s)

[Title of

Invention]

[*If the assignment is being filed after the filing of the

application, this

section must be completed]

[Signature(s)

of Assignor(s)]

ASSIGNEE's

Address(es)]

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

bу **Nokia** Corporation Keilalahdentie 4 FIN-02150 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 A RECEIVER AND A RECEIVING METHOD for which the following applications were filed: *Filed on: (Day Month Year) Application 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 20.03.06 with such interference, litigation, or other legal proceeding. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). Sathiaseelaps n CJulhiumician 20.03.06 SUNDARALINGAM (SIGNATURE) (TYPE NAME) (DATE) Mikko SAILY (SIGNATURE) (TYPE NAME) (DATE) Khairul HASAN 20.03.06 (TYPE NAME) (DATE **Eric JONES** (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE) (TYPE NAME) (DATE)

> PATENT REEL: 017875 FRAME: 0451

Docket No. 59643.00663

WORLDWIDE INVENTION ASSIGNMENT

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

	ру				
[Insert	Nokia Corporation	on			
ASSIGNEE's	Keilalahdentie 4				
Name(s) Address(es)]	FIN-02150 Espoo				
	Finland				
	ASSIGNOR her interest to the inv	eby sells, assigns and trans- vention entitled	fficiency of which is hereby acknofers to ASSIGNEE the entire and		
[Title of Invention]	A RECEIVER A	AND A RECEIVING METHO	OD		
[*If the assignment is being filed after the filing of the application, this section must be completed]	for which the fol	llowing applications were file	d:		
	*Filed on:	(Day Month Year)	Application 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 W	VHEREOF, the undersigned i	nventor(s) has (have) affixed his/he	r/their signature(s).	
[Signature(s) of Assignor(s)]			Sathiaseelam SUNDARALINGAM		
	(SIG)	NATURE)	(TYPE NAME)	(DATE)	
	11.100			20.3.2006	
	<u> / 0000</u>	NATURE)	Mikko SAILY	(DATE)	
	(510)	NATURE)	(TYPE NAME)	(DATE)	
			Khairul HASAN		
	(SIG	NATURE)	(TYPE NAME)	(DATE	
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		NIA COVERNO	Eric JONES		
	(SIG.	NATURE)	(TYPE NAME)	(DATE)	
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	(310)	NATURE)	(TYPE NAME)	(DATE)	

PATENT

REEL: 017875 FRAME: 0452

Docket No.	59643.00663	
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WORLDWIDE INVENTION ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by Insert **Nokia Corporation** ASSIGNEE's Keilalahdentie 4 Name(s) FIN-02150 Espoo Address(es)] 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 A RECEIVER AND A RECEIVING METHOD Invention] for which the following applications were filed: [*If the assignment is being filed *Filed on: (Day Month Year) Application after the filing of the application, this Number(s) section must be completed] (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) Sathiaseelam of Assignor(s)] SUNDARALINGAM (SIGNATURE) (DATE) (TYPE NAME) Mikko SAILY (SIGNATURE) (TYPE NAME) (DATE) **Khairul HASAN** (SIGNATURE) (DATE (TYPE NAME) 10.04.06 **Eric JONES** (TYPE NAME) (SIGNATURE) (TYPE NAME) (DATE)

> PATENT REEL: 017875 FRAME: 0453

RECORDED: 05/05/2006