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Form PTO-1595 RECORDATION FORM COVER SHEET PATENTS ONLY	U.S. Department of Commerce Patents & Trademark Office
CORRECTIVE Reel/Frame: 014606/0086	Attorney Docket No. 59643.00241
MAILSTOP ASSIGNMENT	Date: January 7, 2005
To the Commission Please record the attached original	
Name of conveying party(ies)	Name and address of receiving party(ies);
Gabriel RAMOS; 2) Matti SALMENKAITA; 3) Fabio LONGONI;	Name: NOKIA CORPORATION
4) François D'ARGENCE; 5) Timo HALONEN; 6) Juan MELERO; 7) Petteri HAKALIN; 8) Antti TOLLI; 9) Jose Antonio CORTES; 10) Arto KANGAS; 11) Harri HOLMA	Address: Keilalahdentie 4 FIN-02150 Espoo
Additional name(s) of conveying party(les) attached?	Finland Additional name(s) & address(es) attached?
☐ Yes ☒ No	☐ Yes ☑ No
3. Nature of conveyance:	
□ Assignment □ Merger □ Security Agreement □ Change of Name □ Other □ Other □	
Execution Date: 1) June 30, 2003; 2) June 30, 2003; 3) July 15, 2003; 4) June 30, 2003; 5) June 30, 2003; 6) July 1, 2003; 7) June 30, 2003; 8) July 22, 2003; 9) July 22, 2003; 10) July 21, 2003; 11) July 7, 2003	
	d
Application number(s) or patent number(s): If this document is being filed together with a new application, the exec	ution date of the application is:
A. Patent Application No.(s) 10/ 398,716	B. Patent No.(s)
Additional numbers attached?	∕es ⊠ No
Name and address of party to whom correspondence concerning document should be mailed;	6. Total number of applications and patents involved: <u>One</u>
Name: Squire Sanders & Dempsey L.L.P.	7. Total fee (37 CFR 3.41) \$ 40.00
Street Address: 8000 Towers Crescent Drive, 14th Floor	☐ Paid with Check No
Tysons Corner, Virginia 22182-2700	☑ Please charge our deposit account number 50-2222 and cite the client matter number 59643.00241
	8. Counsel's Deposit account number: 50-2222 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE TH	IS SPACE
Statement and signature. To the best of my knowledge and belief, the foregoing information is tru	e and correct and any attached copy is a true
copy of the original document.	
Douglas H. Goldhush Name of Person Signing	January 7, 2005
Reg. No. 33,125	
l otal nomber of p	pages including cover sheet, attachments, and document: 19

Docket No. 59643.00241

U.S. ASSIGNMENT

For good ASSIGNOR) by	and	valuable	consideration	paid	fo	rhe	undersianed	inconcerta)	A
AS\$IGNOR) by				F		-1-	audtistätten	mveittor(g)	(neremane

[Insert AS\$[GNEE's Name(s) Address(es)]

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

[Tide of Invention]

CHANNEL ALLOCATION FOR COMMUNICATION SYSTEM

[-If the assignment is being filed after the filing of the application, this section must be completed] for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below;

*filed on April 9, 2003 Serial No. 10/398,716

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

D	Runtate(2)
of.	Assignor(s)

I with the		s/ner/ineir signature(s).	
John Taus	Gabriel RAMOS	30/06/2003	
(SIGNATURE)	(TYPE NAME)	(DATE)	
(CICIL ATVINCE)	Matti SALMENKAITA		
(SIGNATURE)	(TYPE NAME)	(DATE)	
/CIGNATURES	Fabio LONGONI		
(\$IGNATURE)	(TYPE NAME)	(DATE)	
(CIONATE ID III)	François D'ARGENCE		
(\$IGNATURE)	(TYPE NAME)	(DATE)	
ISIGNI TUNG.	Timo HALONEN	_	
(SIGNATURE)	(TYPE NAME)	(DATE)	
(SIGNIA TUDE)	Juan MELERO		
(SIGNATURE)	(TYPE NAME)	PATENT ATE	

(SIGNATURE)	Petter HAKALIN (TYPE NAME)	(DATE)
(SIGNATURE)	Antti TOLLI	
 	(TYPE NAME)	(DATE)
(SIGNATURE)	Jose Amonio CORTES (TYPE NAME)	· -
(0.00)	•	(DATE)
(SIGNATURE)	Arto KANGAS (TYPE NAME)	
(SIGNATURE)	Harri HOLMA	(DATE)
ALIZATION REQUIRED	(TYPE NAME)	(DATE)
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O LEGALIZATION REQUIRED

Docket No. 59643.00241

U.S. ASSIGNMENT

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

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

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[Signamre(s) of Assignor(s)]

(SIGNATURE)	Gabriel RAMOS (TYPE NAME)	(ĎATE)
(SIGNATURE)	Matti SALMENKAITA (TYPE NAME)	30.6.2063 (DATE)
(SIGNATURE)	Fabio LONGONI (TYPE NAME)	(DATE)
(SIGNATURE)	François D'ARGENCE (TYPE NAME)	(DATE)
(SIGNATURE)	Timo HALONEN (TYPE NAME)	(DATE)
(SIGNATURE)	Juan MELERO (TYPE NAME)	(DATE)

(SIGNATURE)	Petteri HAKALIN (TYPE NAME)	(DATE)
(SIGNATURE)	Antti TOLLI (TYPE NAME)	(DATE)
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(SIGNATURE)	Arto KANGAS (TYPE NAME)	(DATE)
(SIGNATURE)	Harri HOLMA (TYPE NAME)	
LIZATION PEOUDER	- -	(DATE)

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[Signature(s) of Assignor(s)]

	Gabriel RAMOS	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Matti SALMENKAITA	
(SIGNATURE)	(TYPE NAME)	(DATE)
folis lyaci	<u>Fabio</u> LONGONI	15.07.200
(SICNATURE)	(TYPE NAME)	(DATE)
	François D'ARGENCE	
(\$IGNATURE)	(TYPE NAME)	(DATE)
	Timo HALONEN	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Juan MELÉRO	
(SIGNATURE)	(TYPE NAME)	A TENTDATE)
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(SIGNATURE)	Petter HAKALIN (TYPE NAME)	(DATE)
(SIGNATURE)	Antti TOLLI (TYPE NAME)	(DATE)
(SIGNATURE)	Jose Antonio CORTES (TYPE NAME)	(DATE)
(SIGNATURE)	Arto KANGAS (TYPE NAME)	(DATE)
(SIGNATURE)	Harri HOLMA (TYPE NAME)	(DATE)

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[Signature(s) of Assignor(s)]

(SIGNATURE)	Gabriel RAMOS	
(diotal (divi)	(TYPE NAME)	(DATE)
	Matti SALMENKAITA	
(SIGNATURE)	(TYPE NAME)	(DATE)
<u> </u>	Fabio LONGONI	
(SIGNATURE)	(TYPE NAME)	(DATE)
Arconto	François D'ARGENCE	
(WG)ATURE)	(TYPE NAME)	(DATE)
	Timo HALONEN	
(SIGNATURE)	(TYPE NAMÉ)	(DATE)
	Juan MELERO	
(SIGNATURE)	(TYPE NAME)	PATENT ^{DATE}

(SIGNATURE)	Petter HAKALIN (TYPE NAME)	(DATE)
(SIGNATURE)	Anni TOLLI (TYPE NAME)	(DATE)
(SIGNATURE)	Jose Antonio CORTES (TYPE NAME)	(DATE)
(\$IGNATURE)	Arto KANGAS (TYPE NAME)	(DATE)
(SIGNATURE)	Harri HOLMA (TYPE NAME)	(DATE)

EGALIZATION REQUIRED

Docket No. 59643,00241

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

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FIN-02150 Espoo, Finland

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(SIGNATURE)	Gabriel RAMOS (TYPE NAME)	(DATE)
(SIGNATURE)	Matti \$ALMENKAITA (TYPE NAME)	
	Fabio LONGONI	(DATE)
(SIGNATURE)	(TYPE NAME) François D'ARGENCE	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE) \$0.06.03
(SIGNATURE)	Timo HALONEN (TYPE NAME)	(DATE)
(SIGNATURE)	Juan MELERO (TYPE NAME)	PATENTDATE)

(SIGNATURE)	Petteri HAKALIN (TYPE NAME)	(DATE)
(SIGNATURE)	Antti TOLLI (TYPE NAME)	(DATE)
(SIGNATURE)	Jose Antonio CORTES (TYPE NAME)	(DATE)
(SIGNATURE)	Arto KANGAS (TYPE NAME)	(DATE)
(SIGNATURE)	Harri HOLMA (TYPE NAME)	(DATE)

LEGALIZATION REQUIRED

NC 15675

SQUIRE, SANDERS & DEMPSEY L.L.P.

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[Signature(s) of Assignur(s)]

(SIGNATURE)	(TYPE NAME) PA	ATENT (DATE)
	Juan MELERO	1/7/2003
(SIGNATURE)	(TYPE NAMÉ)	(DATE)
	Timo HALONEN	
(SIGNATURE)	(TYPE NAME)	(DATE)
	François D'ARGENCE	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Fabio_LONGONI	
(\$IGNATURE)	(TYPE NAME)	(DATE)
	Mani SALMENKAITA	
(SIGNATURÉ)	(TYPE NAME)	(DATE)
	Gabriel RAMOS	

(SIGNATURE)	Petter HAKALIN (TYPE NAME)	(DATE)
(SIGNATURE)	Antti TOLLI (TYPE NAME)	(DATE)
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[2]guamrc(z)	
of Assignor(s)	

	Gabriel RAMOS	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Matti SALMENKAITA	(DATE)
(SIGNATURE)	(TYPE NAMÉ)	(DAIL)
	Fabio <u>LONGON1</u>	
(SIGNATURE)	(TYPE NAME)	(DATE)
	François D'ARGENCE	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Timo HALONEN	
(SIGNATURÉ)	(TYPE NAME)	(DATE)
	Juan MELERO	
(SIGNATURE)	(TYPE NAME)	(DATÉ)

PATENT Petter E AL DI 15560 FRAME: 0928

do:		
	Petteri HAKALIN	30.6.2003
(SIGNATURE)	(TYPE NAME)	(DATE)
•	Antii TOLLI	
(SIGNATURE)	(TYPE NAMĒ)	(DATE)
	Jose Antonio CORTES	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Arto KANGAS	
(SIGNATURE)	(TYPE NAME)	(DATE)
	Harri HOLMA	
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Nokia Corporation Keilalahdentie 4 ! FIN-02150 Espoo, Finland							
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[Title of Invention1

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

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[Signature(s)	=== Where or, the unders	agned inventor(s) has (have) affixed his/he	r/their signature(s).
of Assignor(s)]	(SIGNATURE)	Gabriel RAMOS (TYPE NAME)	(DATE)
	(SIGNATURE)	Matti SALMENKAITA (TYPE NAME)	(DATE)
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	(SIGNATURE)	Timo HALONEN (TYPE NAME)	
	(SIGNATURE)	Juan MELERO (TYPE NAME)	(DATE)

PATENT Petter HAKREEL: 015560 FRAME: 0930

(SIGNATURE)	Petter HAKALIN (TYPE NAME)	(DATE)
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(SIGNATURE)	Jose Antonio CORTES (TYPE NAME)	(DATE)
(SIGNATURE)	Arto KANGAS (TYPE NAME)	(DATE)
(SIGNATURE)	Harri HOLMA (TYPE NAME)	(DATE)

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

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[Signature(s) of Assignor(s)]

SQUIRE, SANDERS & DEMPSEY L.L.P.

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U.S	S. ASSIGNMEN	\mathbf{T}
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Nokia Corporation Keilalahdentie 4		
FIN-02150 Espoo, Finland		
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litigation, or other legal proceeding continuation, division, reissue or reexam and to cooperate with the ASSIGNEE i proceeding with such interference, litigat	p areas a motions (atom ()	ning this application or any
· •	, see roger proceding.	
IN WITNESS WHEREOF, the undersign	acd inventor(s) has (have) affixed l	his/her/their signature(s).
(SIGNATURE)	Gabriel RAMOS	
(SIGNATORE)	(TYPE NAME)	(DATE)
(CICNIA THE TOTAL	Matti SALMENKAITA	
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Fabio LONGONI	
,	(TYPĒ NAME)	(DATE)
(SIGNATURE)	François D'ARGENCE	
(John Ore)	(TYPE NAME)	(DATE)

(SIGNATURE)

(TYPE NAME) Juan MELERO

Timo HALONEN

(DATE)

(DATE)

(SIGNATURE)

(TYPE NAME)

PATENT Petter HAREEL: 015560 FRAME: 0932

	Petter HAKALIN	
(SIGNATURE)	(TYPE NAME)	(DATE)
WHZ LOL	Antti TOLLI	22.7.2003
(SIGNATURE)	(TYPE NAME)	(DATE)
	Jose Antonio CORTES	
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	Arto KANGAS (TYPE NAME)	21.7.2003 (DATE)
1/	(TITE HAML)	(DATE)
Hour Hon	Harri HOLMA	7.7.2003
(SIGNATURE)	(TYPE NAME)	(DATE)

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RECORDED: 01/07/2005