Electronic Version v1.1

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SUBMISSION TYPE:	UBMISSION TYPE: NEW ASSIGNMENT		
NATURE OF CONVEYANCE: ASSIGNMENT			
CONVEYING PARTY DATA			
		Name	Execution Date
John Rieman			04/19/2007
Minna Hekanaho			04/19/2007
Tero Rantonen			04/19/2007
John Hard			04/19/2007
RECEIVING PARTY DATA			
Name:	NOKIA CORPOR	ATION	
Street Address:	Keilalahdentie 4		
City:	Espoo		
State/Country:	FINLAND		
Postal Code:			
PROPERTY NUMBERS Total: 1			
Property Type Number			
		93112	
CORRESPONDENCE DATA			
Fax Number: (203)255-5170			
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.			
Phone: 203-259-1800			
Email:	crodriguez@)pgpatent.com	
Email: Correspondent Name:	crodriguez@ Geza C. Zie	gler, Jr.	
Email: Correspondent Name: Address Line 1:	crodriguez@ Geza C. Zieg 425 Post Ro	gler, Jr. ad	
Email: Correspondent Name:	crodriguez@ Geza C. Zieg 425 Post Ro Perman & G	gler, Jr. ad	
Email: Correspondent Name: Address Line 1: Address Line 2:	crodriguez@ Geza C. Zieg 425 Post Ro Perman & G Fairfield, CO	gler, Jr. ad reen, LLP	
Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	crodriguez@ Geza C. Zieg 425 Post Ro Perman & G Fairfield, CO NUMBER:	gler, Jr. ad reen, LLP NNECTICUT 06824	

REEL: 019375 FRAME: 0738

Total Attachments: 6 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif source=Executed_Assignment#page3.tif source=Executed_Assignment#page5.tif source=Executed_Assignment#page6.tif

	Assignment of Rights, Title and (Multiple inventors; sir	1	Docket No. 893-012862-US (PAR)
This is an As	signment of the following rights, title i	and interest: (check all that apply):	
8	2 United States of America rights, title and interest in the invention		
X	Foreign rights, title and interest in the invention		
8	United States Patent Application Seri	al No. 11/693,112	
	Date of Execution:	Date of Filing: March 29, 200	17
	United States Provisional Patent App	lication Serial No.	
D	United States Patent No(s).		and a second as a
a	International (PCT) Patent Applicati	on Serial No.	
D	Other (specify)		
Title of the I	nvention		
CLUB DICT			
t			
Inventors (a	ssignors)		
	Name	Address	
John Riem	an	Felakkekatu 2 A 16, 00150 Helsinki, Pinian	nd
Minna Hek	anaho	Meritullinraitti 8 A 5, 90100 Oulu, Finland	
Minna Kou	tonen	Jokipellontie 1 B 7, 90650 Oulu, Finland	
Tero Ranto	Inen	Notaarintie 4 A 15, 90650 Oulu, Finland	
John Hard		Ahusgatan 6, 214 38 Malmo, Sweden	
	an a	Aleksis Kiven katu 5	
	anaanaa dhalaala dhala dhalada ay aadada waxaa ahaa ahaa ahaa dhalada dhala dhala dhala dhala dhala dhala ahaa	00510 Helsinki F	Finland (Hy)
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		and a second	
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Assignee			
	Name	Address	
NOKIA CO	RPORATION	Kellalahdentie 4 02150 Espoo	
		Finland	

[Page 1 of 2]

AS03A/REV02

Assignment of Rights, Title and Interest in Invention	Docket No.
(Multiple inventors; single assignee)	893-012862-US (PAR)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, which may be granted to any and all priority rights.

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignce of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Name	Signature/Date	
John Rieman	19.4.2007	
Minna Hekanaho		
Minna Koutonen		
Tero Rantonen		
John Hard		
······································		

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Assignment of Regress, The and Interest in Internet			Docket No. 893-012862-US (PAR)
This is an As	signment of the following rights, title	and interest: (check all that apply):	
8	Inited States of America rights, title and interest in the invention		
×	Foreign rights, title and interest in th	e invention	
8	United States Patent Application Ser	ial No. 11/693,112	
	Date of Execution:	Date of Filing: March 29, 200	70
	United States Provisional Patent App	lication Serial No.	
	United States Patent No(s).		
	International (PCT) Patent Applicati	on Serial No.	
	Other (specify)		
Fitle of the I			
nventors (a			
	Name	Address	
John Riem		Telakkakatu 2 A 16, 00150 Helsinki, Finla	nd
Minna Hek		Mentullinraitti 8 A 5, 90100 Oulu, Finland	
Minna Kou		Jokipellontie 1 B 7, 90650 Outu, Finland	
Tero Ranto	nên	Notaarintie 4 A 15, 90650 Oulu, Finland	
John Hard		Ahusgatan 6, 214 38 Maimo, Sweden	
lssignee			
	Name	Address	
NOKIA COI	RPORATION	Keilalahdentie 4 02150 Espoo Finland	

(Page 1 of 2)

Assignment of Rights, Title and Interest in Invention	Docket No.
(Multiple inventors; single assignee)	893-012862-US (PAR)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) und/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, which may be granted all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any relssue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Signature/Date	
Minna Karta 19.4.2007 Der Manten 19.4.2007	
Minna Karta 19.4. 2007	
Der Mantru 19, 4, 2007	

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

	Assignment of Rights, Title and Interest in Invention Docket No.			
•	(Multiple inventors; sín		893-012862-US (PAR)	
This is an As	This is an Assignment of the following rights, title and interest: (check all that apply):			
8				
8	Foreign rights, title and interest in the			
8	United States Patent Application Seri			
	Date of Execution:	Date of Filing: March 29, 200)7	
	United States Patent No(s).			
a	International (PCT) Patent Application	on Serial No.	A AAA_AAAAAAAA	
	Other (specify)		una ante apresa da constante e una constante da constante e de constante da constante da constante da constante	
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Title of the I				
CLUB DICT	IONARIES			
Inventors (a	ssignors)			
	Name	Address		
John Riem		Telakkakatu 2 A 16, 00150 Helsinki, Finlar	nd	
Minna Hek		Meritullinraitti 8 A 5, 90100 Oulu, Finland		
Minna Kou		Jokipellontie 1 B 7, 90650 Outu, Finland		
Tero Ranto		Notaanntie 4 A 15, 90650 Oulu, Finland		
John Hard			n na han na han na hanna na ha	
			anna ann an Anna an Ann Anna anna a	
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L				
Assignee	Assignee			
	Name	Address		
NOKIA CO	RPORATION	Keilalahdentie 4		
		02150 Espoo Finland		
ł				

(Page 1 of 2)

AS03A/REV02

PATENT REEL: 019375 FRAME: 0744

Assignment of Rights, Title and Interest in Invention	Docket No.
(Multiple inventors; single assignee)	893-012862-US (PAR)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the abuve-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign.

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Name	Signature/Date	
John Rieman		
Minna Hekanaho		
Minna Koutonen		
Tero Rantonen		
John Hard	>= /9.472-07	
	u =	

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

|Page 2 of 2]

RECORDED: 06/04/2007