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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY DATA						
N			ame	Execution Date		
Atte Lahtiranta				10/16/2006		
Jari P Hamalainen				10/09/2006		
RECEIVING PARTY DATA						
Name:	Name: Nokia Corporation					
Street Address:	Keilalahdentie 4					
City:	Espoo					
State/Country:	FINLAND					
PROPERTY NUMBERS Total: 1						
Property Ty	/pe		Number			
Application Number: 11468		182		8182		
Application Number: 11468182 CORRESPONDENCE DATA Total						
Fax Number:	(203)255				00	
			hen the fax attempt is unsuccessful.		\$40.00	
Correspondent Name: Borman & Groon						
Address Line 1: 425 Post Road						
Address Line 2: Geza Ziegler						
Address Line 4: Fairfield, CONNECTICUT 06824						
ATTORNEY DOCKET NUMBER:		684-012587-US (PAR)				
NAME OF SUBMITTER:		Geza C. Ziegler, Jr.				
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif						

	Assignment of Rights, Ti (Multiple invent	Docket No. 684-012587-US (PAR)			
This is an As	signment of the following righ	ns, title and interest: (check all that apply):			
23	United States of America rigi	his, title and interest in the invention			
8	Foreign rights, title and inter				
8	United States Patent Applica				
	Date of Execution: Date of Filing: 8/26/2006				
D	United States Provisional Pa	tent Application Serial No.	aan ta'u kan ta'u ka manang malang malang manang		
D	United States Patent No(s).				
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nventors (a	ssígnors)				
	Name Address				
Atte Lahtin	Its Lahtiranta Nokia Mountain View, 313 Fairchild Drive, Building B, 94043 Mountain		, Building B, 94043 Mountain View,		
Jari P. Har		Nallekarhuntie 20, 36100 Kangasala AS,			
issignee			an a		
Nokia Corp	Name xoration	Address STREET: Keilalahdentie 4, FIN-02150 ESI POSTAL: P.O. Box 226, FIN-00045 NOKI/			
		[Page of 3]	A303AREV02		

PATENT REEL: 018445 FRAME: 0949

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

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, thile 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, 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 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
Atte Lahtiranta	Att Lahm 16/10/2006
Jarl P. Hamalainen	and a second
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Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

[[]Page 2 of 3]

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

684-012587-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");

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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
Atte Lahtiranta	
Jari P. Hamalainen	for alle Ochber 11, 2006
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Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

RECORDED: 10/27/2006

PATENT REEL: 018445 FRAME: 0951

[[]Page 2 of 3]