1	PTO-1595	
	0711	

RECOF

02-21-2001

U.S. DEPARTMENT	OF COMMERCE
Patent and	Tradement Office

OMB No. 0651-0011 (exp. 4/94)

CO

J.J.	DEFAULMENT	OF COMMENCE
	Patent and	Trademark Office

	•			
ab settings □ □ □ ▼ To the Honorable Commissioner of F	Patents . 101	618521	ginal documents or o	copy thereof.
Name of conveying party(ies): Jari Hamalainen Timo Jokiaho dictional name(s) of conveying party(ies) attack	J · 1 3 · 01	Name: Nokia	ress of receiving party(was Mobile Phones Limins:	ted
. Nature of conveyance:			Keilalahdentie 4	·
☆ Assignment	☐ Merger	Street Address	02150 Espoo, Finla	and
☐ Security Agreement	☐ Change of Name	City:	State:	
Other		Oity	<u></u>	
Execution Date: 10/2/00;10/5/00		Additional name(s	s) & address(es) stracted?~@	r stand
 Application number(s) or patent number. If this document is being filed toget 		the evecution date	of the application is:	
It this cocurrent is being men roder	tion with a lick approach.	", D.O ONGOGEO: DE!		
A - F-F-F- No (a)	43444		.(s)	
A - F-F-F- No (a)	43494			
A. Patent Application No.(s)	Additional numbers and	B. Patent No usched? O Yes & No 6. Total number	of applications and pater	its involved: [
A. Patent Application No.(s) OUI S. Name and address of party to whore concerning document should be made through the made of the concerning document should be made on the concerning document sho	Additional numbers and	B. Patent No usched? O Yes & No 6. Total number	.(s)	its involved: [
A. Patent Application No.(s) O () S. Name and address of party to whore concerning document should be many to the concerning document should be many to	Additional numbers attended:	B. Patent No usched? O Yes & No 6. Total number	of applications and pater CFR 3.41)\$ 40	its involved: [
A. Patent Application No.(s) OUI S. Name and address of party to whore concerning document should be made through the made of the party to whomat should be made on the party to whom the party to	Additional numbers attended:	B. Patent No ached? © Yes & No 6. Total number 7. Total fee (37	of applications and pater CFR 3.41)\$ 40	uts involved: 1
A. Patent Application No.(s) O () 5. Name and address of party to whore concerning document should be many and the second of	Additional numbers attended:	B. Patent No ached? © Yes & No 6. Total number 7. Total fee (37	of applications and pater CFR 3.41)\$ 40. Indications and pater	uts involved: 1
A. Patent Application No.(s) O () 5. Name and address of party to whor concerning document should be many to the concerning document should be added to the concerning document should be added to	Additional numbers attention correspondence ailed:	B. Patent No ached? © Yes & No 6. Total number 7. Total fee (37 XX Enclosed © Authorize 8. Deposit acco	of applications and pater CFR 3.41)\$ 40. Indications and pater	nts involved: 1

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy 9. Statement and signature.

the original document.

Thomas P. Dowd Name of Person Signing

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

Mail documents to be recorded with required cover sheet Information to: Commissioner of Patents & Trademerks, Box Assignments Washington, D.C. 20231

(Form PTO-1595-Recordation Form Cover Sheet [16-5]-page 1 of 3)

Tab settings □ □ □ ▼	
To the Honorable Commissioner of Patents ar	01521156
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Jari Hamalainen	Name:_Nokia Mobile Phones, Ltd.
Timo Jokiaho	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance:	
	Street Address:
☐ Security Agreement ☐ Change of Name	
① Other	City: Signer UK ZIP:
Execution Date:	Additional name(s) & address(es) attached? Q Yes & No
Application number(s) or patent number(s):	·
-	the execution data of the application is:
. Application number(s) or patent number(s): If this document is being filed together with a new application	on, the execution date of the application is:
·-	on, the execution date of the application is: B. Patent No.(s)
If this document is being filed together with a new application	B. Patent No.(s)
If this document is being filed together with a new application A. Patent Application No.(s)	
If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence	B. Patent No.(s)
If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s) Ittached? © Yes © No 6. Total number of applications and patents involved:
If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence concerning document should be mailed: Name:	B. Patent No.(s) ttached? © Yes © No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00
If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s) Ittached? © Yes © No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00
A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence concerning document should be mailed: Name:	B. Patent No.(s) ttached? © Yes © No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00
If this document is being filed together with a new application. A. Patent Application No.(s) Additional numbers at the second party to whom correspondence concerning document should be mailed: Name: Thomas P. Dowd Internal Address: Perman & Green, LLP	B. Patent No.(s) Ittached? ☐ Yes ☐ No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$_40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account
If this document is being filed together with a new application A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence concerning document should be mailed: Name:	B. Patent No.(s) Ittached? © Yes © No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00
If this document is being filed together with a new application. A. Patent Application No.(s) Additional numbers a Name and address of party to whom correspondence concerning document should be mailed: Name: Thomas P. Dowd Internal Address: Perman & Green, LLP	B. Patent No.(s) Ittached? □ Yes □ No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ © Enclosed □ Authorized to be charged to deposit account

the original document. Thomas P. Dowd

Name of Person Signing

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

Mail documents to be recorded with required cover sheet information to:

Practitioner's Docket No	297-005352-US(I01) PATENT
	For: U.S. and/or Foreign Rights For: U.S. Application or U.S. Provisional Application For: U.S. Patent For: PCT Application By: Multiple Inventors
ASSIGNMENT OF IN	VENTION (MULTIPLE INVENTORS)
	by ASSIGNEE to ASSIGNOR of the sum of One Dollar reby acknowledged, and for other good and valuable
ASSIGNORS (Inventors): Jari Hamalainen	No.lekarhuntie 20 36100 KANGASALA AS FINLAND Franish
(type or print name of inventors)	Address Nationality
Timo Jokiaho	Raappavuorenkuja 8 C 37, FIN-01620 Vantaa, Finland Finnish
	•
·	
-	
	

(Assignment of Invention—Multiple Inventors [16-3.2]—page 1 of 3)

PATENT REEL: 011516 FRAME: 0168

ASS	•		-	
•			obile Phones, Ltd. United Kingdom	
(type	or p	nint na	ame of ASSIGNEE) Address	
 Natio	nality	/		
and	the :	succe	ssors, assigns and legal representatives of the	ASSIGNEE
•			(complete one of the following)	
	XX	the	entire right, title and interest	
		an u	undivided percent (%) interes	st
for th	ne U	nited	States and its territorial possessions	
		(che	eck the following box, if foreign rights are also t	o be assigned)
	XX	and	in all foreign countries, including all rights to ci	laim priority
			and all improvements which are disclosed in the	
	DAT	A TRA	ANSMISSION IN A RADIO TELEPHONE NETW	ORK
and v			(check and complete (a), (b), (c), (d), (e), (f), bund in	
(a)			patent application executed on even date here	
(p)			patent application executed onprovisional application naming the above invent	
(c)			provisional application harming the above involvention	
			Express mail label no.:	· ·
			Mailed:	
		į	To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.	
(d)	Ø		09 /143,494	filed on
(e)		Inten	national application no. PCT /	/
(f)		U.S.	patent no	ISSUEG
		i	A change of address to which correspondence is maintenance fees is being sent separately.	
			(check (g), if foreign application(s) is also being	g assigned)
(g)	[]	and prior	any legal equivalent thereof in a foreign country	, including the right to claim
		F-:	(Assignment of InventionMultiple	Inventors [16-3.2]—page 2 of 3)

PATENT REEL: 011516 FRAME: 0169 and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We ha	ive hereunto set hand and	seal this
· ·		Date of signing
WARNING: The date of signing must be checked above.	e the same as the date of executi	on of the application, if item (a) was
Jari Hamalainen	Oct 2nd, 2000	In Klein
(type name of Inventor)		of INVENTOR
Timo Jokiaho	Od 5,2000	find one
		U '
	 	
·	·	
		
•		
		•
		·

Notarization or Legalization Page Added.

RECORDED: 11/13/2000

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 USC 251. Use next page if notarization is desired.

(Assignment of Invention—Multiple Inventors [16-3.2]—page 3 of 3)

PATENT REEL: 011516 FRAME: 0170