NC20425

Form PTO-1595

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1. Name of conveying party(ies): 1. Pertti Salmi; 2.	2. Name and Address of receiving party(ies):
Jeffrey Higashi; 3. Jamie Langford; 4. Duncan	
Burns; 5. Frank Nuovo	Name: Nokia Mobile Phones Ltd.
Additional name(s) of conveying party(ies) attached? Yes	
⊠ No	Address: Keilalahdentie 4
	02150 Espoo
	Finland
3. Nature of Conveyance:	City: Espoo
5. Italian di Golffoyano.	and. whi
	Country: Finland
Security Agreement Change of Name	Coming. I MANAGE
Other	Additional name(s) & address(es) attached?
	Yes No
Execution Date: 1. 05/09/01; 2. 05/10/01; 3.	
05/17/01; 4. 05/17/01; 5. 05/08/01	
4. Application number(s) or patent number(s):	All annualis data of the equilibration in
If this document is being filed together with a new application A Potent Application No. (c): 29/127 085	
A. Patent Application No. (s): 29/137,985	B. Patent No.(s):
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d Additional promotes are	ached? 🔲 Yes 🗵 No
5. Name and address of party to whom	6 Total number of applications
correspondence concerning document should be	and/or patents involved: One (1)
mailed:	and/of patents involved. One (1)
	7 Total fee (27 CVP 2 41)- \$40.00
Name: Brian T. Rivers, Esq.	7. Total fee (37 CFR 3.41): \$40.00
Address: Nokia Inc.	T-1
MD 1-4-755	Enclosed
6000 Connection Drive	Charge deposit account
	Please charge any fee deficiency to deposit
	account
City: Irving	n
	8. Deposit account number: 50-0270
State: TX ZIP Code: 75039	
DO NOT US	E THIS SPACE
9. Statement And Signature:	
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	ing information is true and correct, and the attached
document is either an original documen	at or a true copy of the original document.
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Brian T. Rivers D-	- 1 1 - 7 3 30 6 (
	nature Date
	Total number of pages including cover sheet(s): 16
	Page 1 of 1

PATENT

700005561

(type or print name of inventors)

United States (Nationality)

Fax:9728945619

Attorney's Docket No. NC20425		PATENT
	For: For:	☑ U.S. and/or ☑ Foreign Rights ☑ U.S. Application or
	For: For:	 U.S. Provisional Application U.S. Patent PCT Application
	By:	☑ Inventor(s) or ☐ Present Owner
ASSIGNMENT OF INVE	итіон (ми	LTIPLE INVENTORS)
In consideration of the paymen One Dollar (\$1.00), the receipt of which and valuable consideration,	t by ASSIGI h is hereby	NEE to ASSIGNORS of the sum of acknowledged, and for other good
ASSIGNORS (Inventors):		
Pertti SALMI		aipaleentie 50
(type or print name of inventors)	Ad	ddress
Finland (Nationality)	<u> F</u>	FIN-90140 Oulu, Finland
Jeffrey HIGASHI (type or print name of inventors)		099 Capitof Drive, #301 Idress
United States (Nationality)		San Pedro, California 90731
Jamie LANGFORD (type or print name of inventors)	_	3404 Parr Road
(Abo or built indiana)	, "	
United States (Nationality)	_ (Grapevine, Texas 76051
Duncan BURNS (type or print name of inventors)		1343 Travis Street, #12 ddress
,	·	
Australia (Nationality)		Dallas, Texas 75205
Frank NI IOVÓ		1612 Stradella Road

Los Angeles, California 90077

Address

Fax:9728945619

hereby	sells, a	ssigns and transfers to	
ASSIGN	IEE:	•	NOKIA MOBILE PHONES LTD.
			[type or print name(s) of ASSIGNEE(S)]
			KEILALAHDENTIE 4
			Address
			02150 ESPOO
			FINLAND
			Nationality
and the	e succe	ssors, assigns and legal representa	tives of the ASSIGNEE
		(complete one of the following	owing)
	\boxtimes	the entire right, title and interest	
		an undivided percent (%) interes	st
for the	United	States and its territorial possessions	5
		(check the following box, if foreign rights:	are also to be assigned)
	\boxtimes	and in all foreign countries, including al	I rights to claim priority,
in and	to any:	and all improvements which are disc	
		Key Array for a Hand	lse <u>t</u>
		[check and complete (a), (b), (c),	
		·	(+) (-) (-) (3/)
and w	hich is f	ound in	
(a)		U.S. patent application executed on ev	en date herewith
(b)		U.S. patent application executed on	
(c),		U.S. provisional application naming the	above inventor(s) for the above-
		entitled invention.	
		Express mail label no.: Mailed:	
		To comply with 37 CFR 3.21 for recordal of below, hereby authorize and request my at application number when they become known	
(d)	\boxtimes	U.S. application no. 29/137,985 filed or	n <u>03/02/2001</u>
(e)		International application no. PCT/	
(f)		U.S. patent no issued	
		A change of address to which come maintenance fees is being sent sep	spondence is to be sent regarding patent arately.
		[also check (g), if application(s) is a	lso being assigned)
(g)	⊠	and any legal equivalent thereof in a fo	preign country, including the right to
applic	ation or	, all Letters Patent to be obtained for any continuation, division, renewal, any reissue or re-examination there	or substitute thereof, and as to

ASSIGNORS further covenant 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 ASSIGNORS 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.

WARNING:

DATE SI	GNED	SIGNATURE OF ASSIGNOR(S)
MA	4 974 2001 Date	Name of Inventor: Pertti Salmi
	DATE	Name of Inventor: Jeffrey Higashi
	DATE	Name of Inventor: Jamie Langford
	DATE	Name of Inventor: Duncan Burns
	DATE	Name of Inventor: Frank Nuovo
NOTE:	No witnessing, notarization or legalization is legalized, then it will only be prima facie evinotarization is desired.	s necessary. If the assignment is notarized or idence of execution. 35 USC 261. Use next page t
	☐ Notarization or Leg	galization Page Added.

Australia (Nationality)

Frank NUOVO

United States (Nationality)

(type or print name of inventors)

Attorney's Docket No. NC20425		PATENT
	For: For:	 ☑ U.S. and/or ☑ Foreign Rights ☑ U.S. Application or ☐ U.S. Provisional Application ☐ U.S. Patent
	For: By:	☐ PCT Application ☑ Inventor(s) or ☐ Present Owner
ASSIGNMENT OF INVENT	TION (MU	LTIPLE INVENTORS)
In consideration of the payment One Dollar (\$1.00), the receipt of which and valuable consideration,	by ASSIG is hereby	NEE to ASSIGNORS of the sum of acknowledged, and for other good
ASSIGNORS (Inventors):		
Pertti SALMI (type or print name of inventors)		Faipaleentie 50 ddress
Finland (Nationality)	<u>. i</u>	FIN-90140 Oulu, Finland
Jeffrey HIGASHI (type or print name of inventors)		1099 Capitol Drive, #301 ddress
United States (Nationality)	<u></u> i	San Pedro, California 90731
<u>Jamie LANGFORD</u> (type or print name of inventors)	_	3404 Parr Road ddress
United States (Nationality)	<u>-</u>	Grapevine, Texas 76051
Duncan BURNS (type or print name of inventors)		4343 Travis Street, #12 ddress

Fax:9728945619

Dallas, Texas 75205

1612 Stradella Road

Los Angeles, California 90077

Address

hereby	sells, a	ssigns and transfers to
ASSIGN	IEE:	NOKIA MOBILE PHONES LTD.
		[type or print name(s) of ASSIGNEE(S)]
		KEILALAHDENTIE 4
		Address
		02150 ESPOO
		FINLAND
		Nationality
and th	e succe	ssors, assigns and legal representatives of the ASSIGNEE
		(complete one of the following)
	\boxtimes	the entire right, title and interest
		an undivided percent (%) interest
for the	United	States and its territorial possessions
	-	(check the following box, if foreign rights are also to be assigned)
	\boxtimes	and in all foreign countries, including all rights to claim priority,
in and		and all improvements which are disclosed in the invention entitled:
		Key Array for a Handset
		[check and complete (a), (b), (c), (d), (e), (f) or (g)]
and w	hich is f	ound in
(a)		U.S. patent application executed on even date herewith
(b)		U.S. patent application executed on
(c)`		U.S. provisional application naming the above inventor(s) for the above-
		entitled invention.
		Express mail label no.: Mailed:
		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)	\boxtimes	U.S. application no. <u>29/137,985</u> filed on <u>03/02/2001</u>
(e)		International application no. PCT/
(f)		U.S. patent no issued
		A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
		[also check (g), if application(s) is also being assigned)
(g)	\boxtimes	and any legal equivalent thereof in a foreign country, including the right to claim priority
applic	ation or	o, all Letters Patent to be obtained for said invention by the above rany continuation, division, renewal, or substitute thereof, and as to any reissue or re-examination thereof.

ASSIGNORS further covenant 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 ASSIGNORS 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.

WARNING:

DATE SIGNED		SIGNATURE OF ASSIGNOR(S)		
	DATE	Name of Inventor: Pertti Salmi		
M	AY10, 2001	ha		
	DATE	Name of Inventor: Jeffrey Higashi		
	DATE	Name of Inventor: Jamie Langford		
	DATE	Name of Inventor: Duncan Burns		
	DATE	Name of Inventor: Frank Nuovo		
NOTE:		n is necessary. If the assignment is notarized or evidence of execution. 35 USC 261. Use next page		
	□ Notarization or L	egalization Page Added.		

United States (Nationality)

Attorney's Docket No. NC20425		PATENT
		U.S. and/or ⊠ Foreign Rights U.S. Application or
		U.S. Provisional Application U.S. Patent PCT Application
		Inventor(s) or ☐ Present Owner
ASSIGNMENT OF INVENTION	ON (MULTI	PLE INVENTORS)
In consideration of the payment by One Dollar (\$1.00), the receipt of which is and valuable consideration,	ASSIGNEI hereby ack	E to ASSIGNORS of the sum of nowledged, and for other good
ASSIGNORS (inventors):		
Pertti SALMI	Taio:	aleentie 50
(type or print name of inventors)	Addre	
Finland (Nationality)	_FIN-	90140 Oulu, Finland
Jeffrey HiGASHI		Capitol Drive, #301
(type or print name of inventors)	Addre	ss ·
United States (Nationality)	<u>San</u>	Pedro, California 90731
Jamie LANGFORD	3404	Parr Road
(type or print name of inventors)	Addre	SS
United States (Nationality)	<u>Gra</u> r	pevine, Texas 76051
Duncan BURNS	434	3 Travis Street, #12
(type or print name of inventors)	Addre	SS
Australia (Nationality)	_Dall	as, Texas 75205
Frank NUOVO (type or print name of inventors)	<u>161:</u> Addre	2 Stradella Road

Fax:9728945619

Los Angeles, California 90077

hereb	y selis,	assigns and transfers to	
ASSIG	NEE:	NOKIA MOBILE PHONES LTD.	
		[type or print name(s) of ASSIGNEE(S)]	
		KEILALAHDENTIE 4	
		Address	
		02150 ESPOO	
		FINLAND	
		Nationality	
and ti	ne succ	essors, assigns and legal representatives of the ASSIGNEE	
		(complete one of the following)	
	\boxtimes	the entire right, title and interest	
		an undivided percent (%) interest	
for th	e United	d States and its territorial possessions	
	-	(check the following box, if foreign rights are also to be assigned)	
	\bowtie	and in all foreign countries, including all rights to claim priority,	
in and		and all improvements which are disclosed in the invention entitled:	
		Key Array for a Handset	
		[check and complete (a), (b), (c), (d), (e), (f) or (g)]	
and v	which is	found in	
(a)		U.S. patent application executed on even date herewith	
(b)		U.S. patent application executed on	
(c),		U.S. provisional application naming the above inventor(s) for the above-	
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(f)		U.S. patent no issued	
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		[also check (g), if application(s) is also being assigned)	
(g)		and any legal equivalent thereof in a foreign country, including the right to claim priority	
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WARNING:

DATE SIGNED		SIGNATURE OF ASSIGNOR(S)		
	DATE	Name of Inventor: Pertti Salmi		
	DATE 5 / 7 / 200 / DAYE	Name of Inventor: Jeffrey Higashi Name of Inventor: Jamie Langford		
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ASSIGNMENT OF INVENTION	N (MULTIPLE INVENTORS)
In consideration of the payment by One Dollar (\$1.00), the receipt of which is I and valuable consideration,	ASSIGNEE to ASSIGNORS of the sum of hereby acknowledged, and for other good
ASSIGNORS (Inventors):	
Pertti SALMI (type or print name of inventors)	Taipaleentie 50 Address
Finland (Nationality)	FIN-90140 Oulu, Finland
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United States (Nationality)	San Pedro, California 90731
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Australia (Nationality)	Dallas, Texas 75205
Frank NUOVO (type or print name of inventors)	1612 Stradella Road Address

Los Angeles, California 90077

hereby	y selis, a	assigns and transfers to	
ASSIG	NEE:		NOKIA MOBILE PHONES LTD. [type or print name(s) of ASSIGNEE(S)]
			KEILALAHDENTIE 4
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			FINLAND Nationality
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and th	ne succe	essors, assigns and legal representa	
		(complete one of the foll	owing)
	\boxtimes	the entire right, title and interest	
		an undivided percent (%) intere	st
for th	e United	d States and its territorial possession	s
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	\boxtimes	and in all foreign countries, including a	Il rights to claim priority,
in an	d to any	and all improvements which are disc	closed in the invention entitled:
		Key Array for a Hand	d <u>set</u>
		[check and complete (a), (b), (c),	(d), (e), (f) or (g)]
and s	which is	found in	
anu	WillCitia		
(a)		U.S. patent application executed on ev	ven date herewith
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WARNING:

DATE SIGNED		SIGNATURE OF ASSIGNOR(S)	
	DATE	Name of Inventor: Pertti Salmi	
	DATE	Name of Inventor: Jeffrey Higashi	
	DATE	Name of Inventor: Jamie Langford	
	MAY 01	Name of Inventor: Duncan Burns	
	DATE	Name of Inventor: Frank Nuovo	
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 261. Use next page if notarization is desired.		
	□ Notarization or Le	egalization Page Added.	

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ASSIGNORS (Inventors):		•
Dardi CALMI		Taipaleentie 50
Pertti SALMI (type or print name of inventors)		ddress
Finland (Nationality)		FIN-90140 Oulu, Finland
Jeffrey HIGASHI		1099 Capitol Drive, #301
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(Nationality)		
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(type or print name of inventors)	7	ddress
Australia (Nationality)	- 	Dallas, Texas 75205
Frank NUOVO		1612 Stradella Road
(type or print name of inventors)	7	Address

Los Angeles, California 90077

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III and t	o any a	•	
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and whi	ich is fo	ound in	*
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WARNING:

notarization is desired.

NOKIA IPR

The date of signing must be the date of execution of this application, if item (a) was checked above.

ATE SIGNED	SIGNATURE OF ASSIGNOR(S)	
DATE	Name of Inventor: Pertti Salmi	
DATE	Name of Inventor: Jeffrey Higashi	
DATE	Name of Inventor. Jamie Langford	
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Notarization or Legalization Page Added.

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

RECORDED: 05/30/2001 REEL: 011616 FRAME: 0737