01-16-2001

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1 Name of the manifest and (in)		
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1) Jan SUUMAKI 2) Ari TOURUNEN	Name: Nokia Mobile Phones Ltd.	
3) Hans KALLIO	a de la companya de l	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		
3. Nature of Conveyance:	Address: Keilalahdentie 4	
3. Nature of Conveyance.	City: 02150 Espoo	
	State: ZIP Code:	
Security Agreement Change of Name	, ,	
Other:	Country: Finland	
Execution Date: All three signed on 1 November 2000	Additional name(s) & address(es) attached?	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application, the	ne execution date of the application is: 1 November 2000	
A. Patent Application No.(s):	B. Patent No.(s): 9/152344	
Additional numbers atta		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications	
concerning document should be maned:	and/or patents involved:	
Name: Clarence A. Green	7. Total fee (37 CFR 3.41):\$40.00	
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02 FC:581

40.00 DP

PATENT REEL: 011414 FRAME: 0380

Attorney's Docket No.	PATENT
	For: x U.S. and/or x Foreign Rights For: x U.S. Application or U.S. Provisional Application For: U.S. Patent For: PCT Application By: Multiple Inventors
ASSIGNMENT OF IN	NVENTION (MULTIPLE INVENTORS)
- · · · · · · · · · · · · · · · · · · ·	ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), edged, and for other good and valuable consideration,
type or print name of inventors)	Address Nationality
GUUMÄKI, Jan	Teekkarinkatu 5 A 23, Finland FIN-33720 Tampere, Finland
TOURUNEN, Ari	Leilitie 1 D 36, Finland FIN-02230 Espoo, Finland
CALLIO, Hans	Lapintie 4 B 1, Finland FIN-33100 Tampere, Finland

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

PATENT REEL: 011414 FRAME: 0381

NOKIA MOBILE PHONES LTD	Keilalahdentie 4	
(type or print name of ASSIGNEE)	Address	
Finland	FIN-02150 ESPOO, Finland	
Nationality		
and the successors, assigns and legal representa-	atives of the ASSIGNEE	
(complete one of the following)		
x the entire right, title and interest an undivided percent (_ for the United States and its territorial possession		
(check the following box,	if foreign rights are also to be assigned)	
x and in all foreign countries, including all rights to claim priority		
in and to any and all improvements which are disclosed in the invention entitled:		
Method for making data transmission more effective and a data transmission protocol		
(check and comple	ete (a), (b), (c), (d), (e), (f), or (g))	
and which is found in (a) x U.S. patent application executed on ever	n 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:		
	ordal of this assignment, I, an ASSIGNOR signing my attorney to insert below the filing date and the known.	
(d) U.S. application no.	filed on	
(e) International application no. PCT filed on	/	
(f) U.S. patent no.	issued	
A change of address to which corresp maintenance fees is being sent separa	oondence is to be sent regarding patent tely.	
(check (g), if foreign application(s) is	s also being assigned)	
(g) x and any legal equivalent thereof in a for	eign country, including the right to claim priority	

hereby sells, assigns and transfers to

ASSIGNEE:

(Assignment of Invention–Multiple Inventors [16-3.2]–page 2 of 3)

PATENT REEL: 011414 FRAME: 0382 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.

	Date of signing
WARNING:	The date of signing must be the same as the date of execution of the application, if item (a) was checked above.
(type name of	inventor) Signature of INVENTOR
Jan Suumäki	Ju Suns.
Ari Tourune	n A. January
Hans Kallio	Mer- HORE
	☐ Notarization or Legalization Page Added.
NOTE:	No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalize then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization desired.

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

PATENT REEL: 011414 FRAME: 0383

1 November 2000