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R SHEET

Commissioner of Patents and T. , 101359279

	Transport the date	active declinent and a second			
	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
	1) Timo HERRANEN 2) Saku LAHTI	Name: Nokia Mobile Phones Ltd.			
	3) Simo VAPAAKOSKI				
	4) Lauri-Pekka ALANKO				
	Additional name(s) of conveying party(ies) attached?  Yes No	Address: Keilalahdentie 4			
	3. Nature of Conveyance:				
	N A	City: 02150 Espoo			
	Assignment Merger	State: ZIP Code:			
	Security Agreement Change of Name Other:				
	Other.	Country: Finland			
	Execution Date: All four signed on 15 February 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				
	A. Patent Application No.(s):	21 February 2000			
	A. Fatent Application No.(8).	B. Patent No.(s):			
		09/565856			
	Additional numbers atta	ched? Yes No			
	5. Name and address of party to whom correspondence	6. Total number of applications			
	concerning document should be mailed:	and/or patents involved: 1			
		7. Total fee (37 CFR 3.41):\$40.00			
	Name: Clarence A. Green	l			
	Address: Perman & Green, LLP				
	425 Post Road	☐ Charge deposit account			
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	City: Fairfield				
	State: CT ZIP Code: 06430-6232	8. Deposit account number: 16-1350			
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	9. Statement And Signature:				
	To the best of my knowledge and belief, the foregoing information is true old correct and, the				
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	document is either an original position of the				
	Clarence A. Green	ee // Men Shoe 2000			
		Signature / Date			
	}	Total number of pages including cover sheet(s): 5 .			
		Page 1 of 1.			

Express Mail No.: EL336862955US

**REEL: 010783 FRAME: 0336** 

Attorney's Docket No.		PATENT
	For: x U.S. and/or x F For: x U.S. Application or U.S. Provisional Ap U.S. Patent For: PCT Application By: Multiple Inventors	Foreign Rights
ASSIGNMENT OF I	NVENTION (MULTIPLE I	NVENTORS)
In consideration of the payment by	ASSIGNEE to ASSIGNOR of the	e sum of One Dollar (\$1.00),
the receipt of which is hereby acknowle	edged, and for other good and valua	able consideration,
ASSIGNORS (Inventors):		
(type or print name of inventors)	Address	Nationality
HERRANEN, Timo	Vastamäentie 62, FIN-37830 Viiala, Fin	Finland land
LAHTI, Saku	Annalankatu 11 A 2, FIN-33710 Tampere, l	Finland
VAPAAKOSKI, Simo	Lintukallionkuja 3, FIN-33680 Tampere, l	Finland Finland
ALANKO, Lauri-Pekka	Puomikatu 4, FIN-33410 Tampere, l	Finland Finland

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

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NOKIA MOBILE PHONES LTD	Keilalahdentie 4			
(type or print name of ASSIGNEE)	Address			
Finland	FIN-02150 ESPOO, Finland			
Nationality	The same of the sa			
and the successors, assigns and legal representative	es of the ASSIGNEE			
(complete one of the following)				
the entire right, title and interest an undivided percent ( for the United States and its territorial possessions				
(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:				
Antenna structure of an expan	sion card for an electronic device			
(check and complete (a), (b), (c), (d), (e), (f), or (g))				
and which is found in  (a) x 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) 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 correspo maintenance fees is being sent separate	ndence is to be sent regarding patent sly.			
(check (g), if foreign application(s) is also being assigned)				
(g) x and any legal equivalent thereof in a foreign country, including the right to claim priority				
	(Assignment of Invention-Multiple Inventors [16-3.2]—page 2 of 3)			

hereby sells, assigns and transfers to

ASSIGNEE:

PATENT REEL: 010783 FRAME: 0338 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 have hereunto set hand and seal this 15 February 2000		
	Date of signing	
WARNING: The date of signing must be the san checked above.	ne as the date of execution of the application, if item (a) wa	
(type name of inventor)	Signature of INVENTOR	
Timo Herranen	Vine Kon	
Saku Lahti	Then to	
Simo Vapaakoski	1 ym	
Lauri-Pekka Alanko	di file offer	

☐ Notarization or Legalization Page Added.

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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.

(Assignment of Invention-Multiple Inventors [16.3.2]-page 3 of 3)

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**RECORDED: 05/05/2000**