FORM PTO-1595 (Rev. 6-93)	03-21-2	2002	T	U.S. DEPARTI	MENT OF COMMERCE
OMB No. 0651-0011 (exp. 4/94)			_	Paten	t and Trademark Office
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To the Honorable Commissioner of Pate 1. Name of conveying party(ies):	102025	680	attached ong address of rece		s or copy thereof.
Kimmo Laiho, Harri Pekoner	n and Juha Tombora	Z. Name and	address of rece	iving party(les	/·
Killino Lano, Harri Fekole	/) This romberg	Name:	Nokia,	, Inc.	<u> </u>
03/00/		Internal Add	lress: Keilala	ahdentic 4	
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Additional name(s) of conveying party(ies) attached?	Yes X No				\$
3. Nature of conveyance:					
Assignment Merger		Street Addre	ess: FIN-01	2150 ESPOO	
Security Agreement Cha	inge of Name				
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Other		City: FINL.	AND	State:	ZIP: <u>02150</u>
Execution Date: February 28, 2002		Additional name(s) & address(es) attached?			
4. Application number(s) or patent number(s): If this document is being filed together with A. Patent Application No.(s)	n a new application			cation is: Fet	oruary 28, 2002
A. Fatent Application No.(8)		B. Pai	tent No.(s)		
	ľ				
	Additional numbers attac	hed? Yes	X No		
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:			
Name· Bradley C. Wright					
101101		7. Total fee (3	7 CFR 3.41)	\$ <u>4</u> (0.00
Internal Address: Banner & Witcoff, Ltd.		☐ Enclosed			
	-	X Authoriz	ed to be charge	ed to deposit a	lecount
Street Address: 1001 G Street, N.W 11th Floor		8. Deposit account number:			
		19-0733			
City: Washington State: DC	ZIP: <u>20001-459</u> 7	(Attach dup	licate copy of this	page if paying	by deposit account)
	DO NOT U	JSE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, th	e foregoing informa	ation is true and	correct and any	attached copy	is a true copy of
the original document. Joseph Stecewycz, Reg. No. 34,442				March 2,	2002
Name of Person Signing		Signature			ate
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(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

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BW 004770.00033 NC 28574,-75,-76

ASSIGNMENT

WHEREAS, we, Kimmo Laiho, residing at Ojarinne 24, 20810 Turku, Finland, Harri Pekonen, residing at Upalingontie 64, 21260 Raisio, Finland and Juha Tomberg, residing at Honkatie 27, 20540 Turku, Finland (ASSIGNORS), are the inventors of certain inventions and improvements described in a U.S. Patent Application identified by Attorney Docket No. 004770.00033 and having the title

SYSTEM AND METHOD FOR BROADBAND DIGITAL BROADCASTING

which application was [one of the following]
executed on February 28, 2002 [Date or dates] or
filed on [Filing date] and assigned application serial number
and WHEREAS
Nokia Corporation Keilalahdentie 4
FIN-02150 ESPOO
FINLAND

ASSIGNEE, desires to acquire the entire right, title and interest in and to the said Application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said Application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and

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Joint Assignment BW 004770.00033 NC 28574,-75,-76

enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner & Witcoff, Ltd. the power to insert into this document information sufficient to identify the Patent Application to which this Assignment pertains.

Date: 28.2.01 Invento

Kimmo Laiho

Date: 28.02.02 Inventor:

Harri Pekonen

Date: 28,02,02 Inventor:

RECORDED: 03/02/2002

Note: No legalization or other witness required.

LAW OFFICES

BANNER & WITCOFF, LTD.

1001 G STREET, N.W.

WASHINGTON, D.C. 20001-4597

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