

12.7.00



ET ONLY

TO THE ASSISTANT COMMISSIONER
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

101561200

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. Timo RANTALAINEN
- 2. Ville RUUTU
- 3. Marko ALANEN
- 4. Gudni GUNNARSSON
- 5. Olli HYVÄRINEN
- 6.
- 7.
- 8.



ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: NOKIA NETWORKS OY

ADDRESS: Keilalahdentie 4. FIN-02150 Espoo, FINLAND

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: 10/24/2000; 10/24/2000;
10/26/2000; 11/01/2000 AND 10/31/2000

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 10/3/2000; 9/26/2000; 9/26/2000; 10/2/2000 AND 9/29/2000

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
09/647,081	273843				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918	6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS <u>0</u> = TOTAL <u>1</u>
	7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT: PMS 273843	T298020US/PYK/kop	8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
MATTER NO.	CLIENT REF.	UNDER ORDER NO 60256 273843
		dup. sheet not required CLIENT NO. MATTER NO.

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard C. Irving
Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 2

Attorney: Richard C. Irving
Reg. No. 38499 Date: December 7, 2000
Atty/Sec: RCI/ksh TEL: (202) 861-3788 FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

12/22/2000 DNGUYEN 00000476 09647081

01 FC:581

40.00 OP

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP
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USA Patent Appln.
Sole or Joint

For Inventions made outside USA
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Atty. Dkt. PM M# Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Timo RANTALAINEN	(2) Ville RUUTU
	(3) Marko ALANEN	(4) Gudni GUNNARSSON
	(5) Olli HYVÄRINEN	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	NOKIA NETWORKS OY Keilalahdentie FIN-02150 Espoo Finland
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(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF INVENTION	Method of transmitting synchronized channel in radio transmitter
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for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) even date herewith 2.10.2000 Gudni Gunnarsson, 3.10.2000 Timo Rantalainen
 (B) on 26.9.2000 Ville Ruutu and Marko Alanen, 29.9.2000 Olli Hyvärinen
 line A, B and/or C (C) in U.S. Appln. No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS	DATE SIGNED	WITNESSES
1) Name: <u>Timo Rantalainen</u>	<u>24.10.2000</u>	<u>Vel -hatt Teittä</u>
2) Name: <u>Ville Ruutu</u>	<u>29.10.2000</u>	<u>Vel -hatt Teittä</u>
3) Name: <u>Marko Alanen</u>	<u>26.10.2000</u>	<u>Vel -hatt Teittä</u>
4) Name: <u>Gudni Gunnarsson</u>	<u>31.10.2000</u>	<u>Amme Koskinen</u>
5) Name: <u>Olli Hyvärinen</u>	<u>31.10.2000</u>	<u>Amme Koskinen</u>