

8-18-98

PATENT REEL 18 AUG 1998

AID

BOX ASSIGNMENTS

DO NOT USE FOR TRADEMARKS

09-21-1998

SHEET ITS ONLY

09/066359

TO THE ASSISTANT COMMISSIR: PLEASE RECORD THE AT



Y THEREOF.

1. NAME OF CONVEYING PART

100833865

- 1. Riku PIRHONEN
- 3. Jyri SUVANEN
- 5.
- 7.

- 2. Pekka RANTA
- 4.
- 6.
- 8.

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

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

NAME: Nokia Telecommunications Oy

ADDRESS: Keilalahdentie 4, FIN-02150 Espoo, Finland

09066,359

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

EXEC. DATE: April 17, 21 and 29, 1998

CHANGE OF NAME  VERIFIED TRANSLATION  
 SECURITY  MERGER  OTHER:

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) April 17, 21 and 29, 1998

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 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
09/066,359	252337				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

**Pillsbury Madison & Sutro LLP**  
**Intellectual Property Group**  
1100 NEW YORK AVENUE, N.W.  
NINTH FLOOR, EAST TOWER  
WASHINGTON, D.C. 20005-3918

6. NUMBER INVOLVED:  
APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)  
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

PMS 252337 T295050/42842  
8/20/1998 09000093 09066359  
MATTER NO. CLIENT REF.

UNDER ORDER NO 60256 252337  
dup. sheet not required CLIENT NO. MATTER NO.

4 FC:581

40.00 DP

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.

Signature

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

2

Attorney: David W. Brinkman

Reg. No. 20817

Date: August 18, 1998

Atty/Sec: DWB/kpc

TEL: (202) 861-3033

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

**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) Riku Pirhonen	(4)
	(2) Pekka Ranta	(5)
	(3) Jyri Suvanén	[ ] 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 TELECOMMUNICATIONS OY
	Keilalahdentie 4
	FIN-02150 Espoo
	Finland

(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** Data transmission method


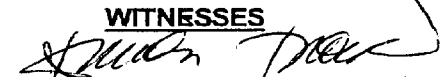
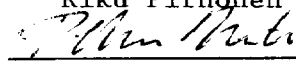
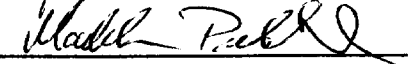
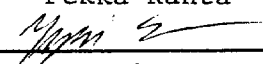
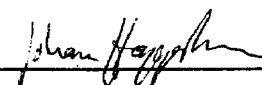
for which the undersigned executed an application for Letters Patent of the United States of America:

**NOTE** --> (Complete line A, B and/or C)  
 (A)  even date herewith  
 (B)  on \_\_\_\_\_  
 (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) Cushman Darby & Cushman Intellectual Property Group of Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR(S)	DATE SIGNED	WITNESSES
1)	 Name: Riku Pirhonen	29.4.1998	
2)	 Name: Pekka Ranta	21.4.1998	
3)	 Name: Jyri Suvanén	17.4.1998	
4)	_____ Name: _____	_____	_____
5)	_____ Name: _____	_____	_____

IF ADDITIONAL INVENTORS, check box  and continue on page 2.