

**RECORDATION FORM COVER SHEET  
PATENT APPLICATIONS & PATENTS ONLY**

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

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

1. Martin BERGENWALL

3. Jukka IMMONEN

5. Juha RÄSÄNEN

7.

2. Mikko J. RINNE

4. Mikko OHVO

6.

8.

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

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

NAME: Nokia Networks Oy

03-26-2001

ADDRESS: Keilalahdentie 4, FIN-02150 Espoo, FINLAND



101648068

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: November 30, 2000,

November 30, 2000, November 30, 2000,

November 30, 2000, and November 30, 2000

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) November 30, 2000, November 30, 2000, November 30, 2000, November 30, 2000, and November 30, 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 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO.(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
09/701,510	275395				

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

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 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

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CLIENT REF.

02/06/2001 LLANDERRA 00000015 09/701510

04 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.

*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

Atty/Sec: RCI/ksh

TEL: (202) 861-3788

Date: February 2, 2001

FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

Pillsbury, Madison & Suto LLP  
Intellectual Property Group  
Ninth Floor, East Tower  
1100 New York Avenue, N.W.  
Washington, D.C. 20005-3918

USA Patent Appln.  
Sole or Joint

For Inventions made outside USA  
executed with or after application

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) Martin Bergenwall	(2) Mikko J. Rinne
	(3) Jukka Immonen	(4) Mikko Ohvo
	(5) Juha Räsänen	<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 4 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

Data transmission methods in a telecommunication system

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

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

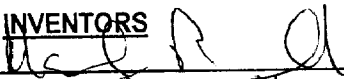

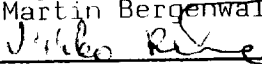
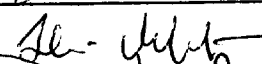

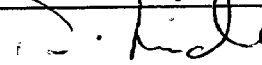
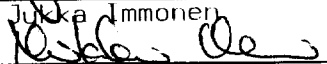
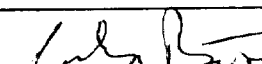

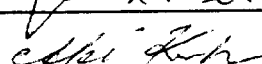
(B) ☐ on

(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) Pillsbury Madison & Suto 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: Martin Bergenwall	30/11/2000	
2):  Name: Mikko J. Rinne	30/11/2000	
3):  Name: Jukka Immonen	30/11/2000	
4):  Name: Mikko Ohvo	30/11/2000	
5):  Name: Juha Räsänen	30/11/2000	

PAT-114 11/97

RECORDED: 02/02/2001

PATENT  
REEL: 011606 FRAME: 0522