

BOX ASSIGNMENTS

170 581-40

09/857488

07-27-2001

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8 Rec'd PCT/PTO 06 JUN 2001

PA



101789523

F.

TO THE ASSISTANT COMMISSIONER OF SIR: PLEASE RECORD THE ATTACHED OF

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

- 1. Kari HORNEMAN
- 3. Juha YLITALO
- 5.
- 7.

06/06/01

- 2. Marcos KATZ
- 4.
- 6.
- 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: 1) January 18, 2001; 2) January 19, 2001; 3) January 22, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

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 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
09/857488	281233	HORNEMAN			

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:

P 281233	T299061US/PYK/HER
MATTER NO.	CLIENT REF.

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

UNDER ORDER NO	60258	281233
dup. sheet not required	CLIENT NO.	MATTER NO.

9. 06/08/2001 MMGUYEN 00000103 09857488 40.00 DE

Christine H. McCarthy
Signature

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

Attorney: Christine H. McCarthy
Reg. No. 41844
Atty/Sec: CHM/JRH

Date: June 6, 2001
FAX: (202) 822-0944

TEL: (202) 861-3075

FILE WITH PTO RETURN RECEIPT (PAT-103A)

USA Patent Appl.
Sole or Joint

Atty. Dkt.

For inventions made outside USA
executed with or after application

Mr

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) Kara Horneman	(4)
	(2) Marcos Kalz	(5)
	(3) Juha Ylitalo	<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

(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 Optimising link quality by space and time interleaving

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, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR(S)	DATE SIGNED	WITNESSES
1)	<u>Kara Horneman</u>	<u>18.1.2001</u>	<u>Juha Ylitalo</u>
Name:			
2)	<u>Marcos Kalz</u>	<u>19.1.2001</u>	<u>Mr. J. J. ...</u>
Name:			
3)	<u>Juha Ylitalo</u>	<u>22.1.2001</u>	<u>Mr. J. J. ...</u>
Name:			
4)	_____	_____	_____
Name:			
5)	_____	_____	_____
Name:			

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