



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

102402966



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

- 1. Lin XU
- 2. Toni PAILA
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

3-25-03

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

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

NAME: Nokia Corporation

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) August 19, 2002; August 16, 2002

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 |
|--|--------|--|-----------------|----|--|
| 10/185,716 | 292906 | XU | | | |

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

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500 McLean, VA 22102

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

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

5.5 ATTY DKT:

P 292906
MATTER NO. 2991043US/VK/kop
CLIENT REF.

8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT
NUMBER: 03-3975

UNDER ORDER NO 60258 292906
dup. sheet not required CLIENT NO. MATTER NO.

9. 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.

[Handwritten Signature]

Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Attorney: Dale S. Lazar

Reg. No. 28872

Atty/Sec: DSL/jrh

TEL: (703) 905-2126

Date: March 25, 2003

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

03/27/2003 EC00PER 00000116 033975 10185716

01 FC:8021 40.00 CH

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10-15-2002



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TO THE ASSISTANT COMMISSIONER OF F...
SIR: PLEASE RECORD THE ATTACHED OR...

F.

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| A PAT. APPL. NO.(S) | INVENTOR | IS PATENT NO.(S) | 1 st INVENTOR |
|---------------------|----------------|------------------|--------------------------|
| Series (code 1-10) | (name in item) | (code 1-10) | (if not in item) |
| 10/181,716 | XU | | |
| 292906 | | | |

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| dup. sheet not required | CLIENT NO. | MATTER NO. |

9. 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

Attorney: Christine H. McCarthy

Reg. No. 41844

Atty/Sec: CHM/jrh

TEL: (703) 905-2143

Date: October 3, 2002

FAX: (703) 905-2500

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

3

FILE WITH PTO RETURN RECEIPT (PAT-103A)

10/15/2002 TDIAZ1 00000030 033975 10181716

01 FC:581 40.00 CH

Please return signed/recorded to:

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Intellectual Property Group
P.O. Box 10500
McLean, VA 22102

USA Patent Appln.
Sole or Joint

For Inventions made outside USA
executed with or after application

Atty. Dkt. P

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 | (1) Lin XU | (2) Toni PAILA |
| NAME(S) OF | (3) | (4) |
| INVENTOR(S) | (5) | <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 | NOKIA CORPORATION |
| NAME(S) OF | Keilalahdentie 4 |
| ASSIGNEE(S) | FIN-02150 Espoo |
| & ADDRESS(ES) | 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 | Packet routing in a multi-bearer-type network |
|--------------------|---|

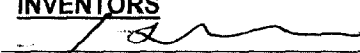
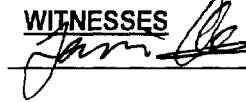
for which the undersigned executed an application for Letters Patents of the United States of America:

| | |
|--|---|
| NOTE → → (Complete line A, B and/or C) | (A) <input type="checkbox"/> even date herewith (B) <input type="checkbox"/> on (C) <input checked="" type="checkbox"/> in U.S. Appln. No. 10 / 185,716 filed 1 July 2002 |
|--|---|

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

| | INVENTORS | DATE SIGNED | WITNESSES |
|-------|---|--------------|---|
| 1): |  | 19 Aug. 2002 |  |
| Name: | Lin Xu | | |
| 2) | | | |
| Name: | Toni Paila | | |
| 3) | | | |
| Name: | | | |
| 4) | | | |
| Name: | | | |
| 5) | | | |
| Name: | | | |

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USA Patent Appl.
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|-------------------------------------|------------|---|
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| | (3) | (4) |
| | (5) | <input type="checkbox"/> x box if continued on page 2 |

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| | |
|--|---|
| INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES) | NOKIA CORPORATION 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: Packet routing in a multi-bearer-type network

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

NOTE → → (A) even date herewith
(B) on _____
(C) In U.S. Appln. No. 10 / 185,716 filed 1 July 2002

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| INVENTORS | DATE SIGNED | WITNESSES |
|-------------------------|-------------|-----------|
| 1): Name: Lin Xu | 16/8/2002 | |
| 2): Name: Toni Paila | | |
| 3): Name: | | |
| 4): Name: | | |
| 5): Name: | | |