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U.S. Department of Commerce
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Attorney Docket No. 944-005.024

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Haifeng WANG, Jing XU, Ming CHEN,
Shixin CHENG**

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherExecution Date: January 16 & 21, 2004

2. Name and address of receiving party(ies):

**Nokia Corporation
Keilalahdentie 4
FIN-02150
Espoo, Finland**

Additional name(s) and address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

S/N 10/731,688 filed December 9, 2003

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Kenneth Q. Lao
Ware Fressola, Van Der Sluys & Adolphson LLP
Bradford Green, Building 5
755 Main Street
P.O. Box 224
Monroe, CT 06468-0224**

03/29/2004 SFELEKE1 00000007 10731688

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6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

23-0442

(Attach duplicate copy of this page if paying by deposit account.)

Statement and signature:

*To the best of my knowledge and belief, the foregoing information is true and correct and any attachment copy is a true copy of the original document.***Kenneth Q. Lao**

Name of Person Signing

Signature

March 24, 2004

Date

Total number of pages including cover sheet, attachments, and document: 4Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services, Commissioner of Patents,
P.O. Box 1450, Alexandria, VA 22313-1450.PATENT
REEL: 015153 FRAME: 0201

ASSIGNMENT AND AGREEMENT

Jan. 16, 2004
FOR VALUE RECEIVED, We, HAIFENG WANG, JING XU, MING
CHEN, AND ^{SHIXIN} SHIXING CHENG, citizens of Finland, China, China and China,
respectively, and residing at Nuoskakuja 1 A 13, FIN-90630 Oulu, FINLAND,
National Mobile Communications Research Lab, Southeast University, Nanjing,
Jiangsu, 210096, P.R. CHINA, Baiyunyuan, No. 129, Room 401, Longijang Xiaoqu,
Nanjing, Jiangsu, 210096, P.R. CHINA, and 28-8-305 Lan Yuan, Nanjing, Jiangsu,
210018, P.R. CHINA, respectively, hereby sell, assign and transfer to **NOKIA
CORPORATION**, a corporation duly organized and existing under the laws of
Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150
Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the
entire right, title and interest, for all countries in and to certain inventions relating to
improvements in a **DIRECT-SEQUENCE CDMA METHOD AND DEVICE**, which is
described in an application for Letters Patent of the United States, Serial No.
10/731,688 filed December 9, 2003; and all the rights and privileges under any and all
Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said
assignee, its successors, assigns and legal representatives, or to such nominees as it
may designate.

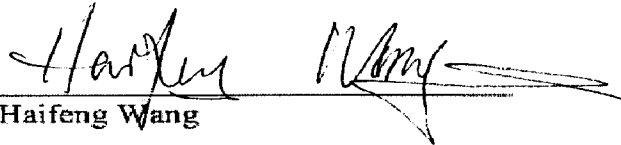
We agree that, when requested, we will, without charge to said assignee but at
its expense, sign all papers, take all rightful oaths, and do all acts which may be
necessary, desirable or convenient for securing and maintaining patents for said
inventions in any and all countries and for vesting title thereto in said assignee, its
successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal
representatives or nominees, to invoke and claim for any application for patent or
other form of protection for said inventions filed by it or them, the benefit of the right
of priority provided by: (a) the International Convention for the Protection of
Industrial property, as amended, or by convention which may henceforth be
substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty
which may henceforth be substituted for it; and to invoke and claim such right of
priority without further written or oral authorization from us.


We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Oulu, Finland this 21st day of Jan., in the year 2004.


Haifeng Wang

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness  Date 21 January 2004

Witness Sanna Halonen Date 21 January 2004

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Nanjing, P.R. China this 16 day of
January, in the year 2004.

Jing Xu
Jing Xu

Ming Chen
Ming Chen

Shixing Cheng
Shixin

Jan. 16, 2004

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness Bingyang Wu Date Jan. 16, 2004

Witness Qifan Chen Date Jan. 16, 2004