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TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):
SHENG ZHAO, ARIES WONG, and MING-HUI LIN

2. Name and address of receiving party(ies):
**NOKIA MOBILE PHONES LIMITED
KEILALAHDENTIE 4
02150 ESPOO, FINLAND**

3. Nature of conveyance:

XXXXX

Assignment

Security Agreement

Other:

Merger

Change of Name

Execution Dates: **July 3, 2001**

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

A. Application No.
09/823,159

B. Application Date
March 30, 2001

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

Paul D. Greeley, Esq.
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
One Landmark Square, 10th Floor
Stamford, Connecticut 06901-2682 U.S.A.

6. Total No. of applications and patents involved: 1.

7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.

XXXXX

Enclosed

Authorized to be charged to deposit account.

The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 3.41 that may be required with this communication or credit any overpayment, to Deposit Account No. 01-0467. A duplicate copy of this Form is enclosed.

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.

Paul D. Greeley

Name of Person Signing

Paul D. Greeley

Signature

07/11/01

Date

Total number of pages including cover sheet, attachments and document: 5.

PATENT
REEL: 011982 FRAME: 0811

ASSIGNMENT

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, we, **Sheng Zhao**, a citizen of Canada, and a resident of 609 Adler Avenue, Coquitlam, BC, Canada V3J 2T5, **Aires Wong**, a citizen of Canada, and a resident of 2656 E. 47th Avenue, Vancouver, BC, Canada V5S 1C1; and **Ming-hui Lin**, a citizen of the Republic of China, and a resident of 104-6551 Minoru Boulevard, Richmond, BC, Canada V6Y 1Y4, having co-invented certain new and useful improvements in

**PROGRAMMABLE CPU/INTERFACE BUFFER STRUCTURE USING DUAL PORT
RAM**

hereby assign to **Nokia Mobile Phones Limited** a Finnish corporation having its principal office at Keilalahdentie 4, Espoo, Finland 02150 (hereinafter referred to as "Assignee"), the entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent which was filed in the United States Patent and Trademark Office on **March 30, 2001**, and assigned U.S. Application Serial No. **09/823,159**, and any continuation, divisions, continuation-in-part applications, inventor's certificates and extensions thereof, preparatory to obtaining Letters Patent of the United States therefor; said invention, application and Letters Patent to be held and enjoyed by said Assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term for which said Letters Patent or other rights of protection may be granted as entirely as the same would have been held and enjoyed by us had the assignment not been made.

AND WE COVENANT and AGREE and WARRANT that we have full and unencumbered title to the invention hereby assigned, and we further covenant and agree that we have the right to grant such rights to said invention and application and Letters Patent and that we will, at any time upon request without cost to us or further compensation, execute and deliver any and all papers or instruments that, in the opinion of said Assignee, may be necessary or desirable to secure in said Assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed by this instrument.

IN WITNESS WHEREFORE, we have hereunto set our hands and seal:

Date: July 3, 2001 [Signature]
By: Sheng Zhao

Province
STATE OF British Columbia)
COUNTY OF Canada) SS

Sworn to before me this 3rd day of July, 2001.

NO LEGAL ADVICE SOUGHT OR GIVEN

[Signature]
Witness

Date: July 3rd, ~~21~~, 2001 [Signature]
By: Aries Wong

Province
STATE OF British Columbia)
COUNTY OF Canada) SS

Sworn to before me this 3rd day of July, 2001.

NO LEGAL ADVICE SOUGHT OR GIVEN

[Signature]
Witness

Date: July 3rd, 2001

By: Ming-hui Lin

Province British Columbia } SS
STATE OF Canada
COUNTY OF

Sworn to before me this 3rd day of July, 2001.

NO LEGAL ADVICE SOUGHT OR GIVEN

Witness