

11-15-2002

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marks: Please record the attached original documents or

1. Name of Conveying party(ies): **Wei Hwang, Kun Wu**

3. Nature of Conveyance: **Assignment**
Execution Date: 10/30/02, 10/25/02

11/01/02

2. Name & address of receiving party(ies)
Name: **International Business Machines Corporation**
Street
Address: **New Orchard Road**
City: **Armonk** State: **New York** ZIP: **10504**

11002 U.S. PTO
10/28/02
11/01/02

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

Title of Application: **An Improved Comparator Eliminating Need For One's Complement Logic For Signed Numbers**

If this document is being filed together with a new application, the execution date of the application is: **10/30/02, 10/25/02**

A. Patent Application No(s).
Docket No.
Serial No.

B. Patent No(s)

10/28/08

Additional numbers attached? ___ Yes X No

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

6. Total number of applications and patents involved: 1

Name: **Daryl K. Neff**
Street Address: **PATENT TRADEMARK OFFICE**

IBM Corporation
Intellectual Property Law Dept.
Dept. 18G/Bldg. 300-482
2070 Route 52
Hopewell Junction, NY 12533-6531

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
X Authorized to be charged to deposit account

8. Deposit A/C no.: **09-0458 (FI-462)**
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement of signature:

To the best of my knowledge and belief, the foregoing information is true and correct and a attached copy is a true copy of the original document.

Daryl K. Neff, Reg. No. 38,253
Name of Person Signing
Telephone No. (914) 894-3664

Daryl Neff
Signature
11/1/02
Date

Total number of pages, including cover sheet, attachments, and document 4

Express Mail No. **ET926724540US**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: UNITED STATES PATENT & TRADEMARK OFFICE, PO BOX 2327, ARLINGTON VA 22202. Applicant and/or Attorney requests the date of deposit as the filing date.

November 1, 2002
DATE OF DEPOSIT

KAREN CINQ-MARS

Karen Cinq-Mars
SIGNATURE AND DATE *11/1/02*

OCT 25 '02 10:10 FR IPLAW E FISHKILL

845 892 6363 TO 918666398006

P.07/28

Docket No. FIS920020171US1**ASSIGNMENT**

WHEREAS, we

| | | |
|-----|-----------------------|---------------------|
| (1) | Wei Hwang | of La Verne |
| | County of Los Angeles | State of California |
| | and | |
| (2) | Kun Wu | of Poughkeepsie |
| | County of Dutchess | State of New York |
| | and | |

have invented certain improvements in

**AN IMPROVED COMPARATOR ELIMINATING NEED
FOR ONE'S COMPLEMENT LOGIC FOR SIGNED NUMBERS**

and executed a United States patent application therefor on:
(dates that Inventors signed the declaration)

(1) Oct. 30, 2002 and (2) _____, 2002.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire, right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

caused upon to do so by IBM.

Signed

(1) at La Verne, CA
on Oct. 30, 2002,

Wei Hwang
Wei Hwang

(2) at East Fishkill, NY
on _____, 2002,

Kun Wu

Date 1 of 1

OCT 30 '02 16:52

PAGE.02

ASSIGNMENT

WHEREAS, we

(1) Wei Hwang of La Verne
County of Los Angeles State of California

and
(2) Kun Wu of Poughkeepsie
County of Dutchess State of New York
and

have invented certain improvements in
**AN IMPROVED COMPARATOR ELIMINATING NEED
FOR ONE'S COMPLEMENT LOGIC FOR SIGNED NUMBERS**

and executed a United States patent application therefor on:
(dates that Inventors signed the declaration)

(1) _____, 2002 and (2) 10/25, 2002.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire, right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

(1) at
on _____, 2002,

Wei Hwang

(2) at East Fishkill, NY
on 10/25, 2002,

Kun Wu