

07-12-2001



101776078

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

<p>1. Name of conveying party(ies): Louis Hsu, Li-Kong Wang <i>06/25/01</i></p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: 6/22/01, 6/22/01</p>	<p>2. Name and address of receiving party(ies): Name: <u>International Business Machines Corporation</u> Internal Address: _____ Street Address: <u>New Orchard Road</u> City <u>Armonk</u> State <u>New York</u> Zip <u>10504</u> Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
<p>4. Application number(s) or patent number(s): Title: DECODING SCHEME FOR A STACKED BANK ARCHITECTURE If this document is being filed together with a new application, the execution date of the application is <u>6/22/01, 6/22/01</u></p> <p>A. Patent Application No(s) <u>09/888774</u> B. Patent No(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Marshall M. Curtis, Esq. McGuireWoods LLP 1750 Tysons Boulevard - Suite 1800 McLean, Virginia 22102-4215</p> <div style="border: 1px dashed black; padding: 5px;"> <p>CERTIFICATE OF MAILING UNDER 37 CFR 1.10</p> <p>I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C., 20231 as "Express Mail Post Office to Addressee"</p> <p>Mail Label No <u>EF383030085US</u> on <u>6/25/01</u> <u>Karen Cing-Mars</u> Name of person mailing paper <u><i>Karen Cing-Mars</i></u> Signature <u>6/25/01</u> Date</p> </div>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CVF 3.41): <u>\$ 40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: <u>09-0458</u> FI-358</p>
DO NOT USE THIS SPACE	
<p>9. Statement and signature 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.</p> <p><u>Daryl K. Neff</u> <u><i>Daryl Neff</i></u> <u>6/25/01</u> Registration # 38,253 Signature Date Tel.: (845) 894 - 3664 <u>0000299-000458-0988774</u></p> <p>Total number of pages including cover sheet, attachments, and documents: <u>3</u></p>	

JC997 U.S. PTO
09/888774
06/25/01

07/11/2001 0000299-000458-0988774
01 FC:581 40.00 CH

ASSIGNMENT

Whereas, We
Inventors

- | | | |
|-----|---|---|
| (1) | Louis Hsu
County of Dutchess | City of Fishkill
and State of New York |
| (2) | Li-Kong Wang
County of Bergen | City of Montvale
and State of New Jersey |

have invented certain improvements in

Title **DECODING SCHEME FOR A STACKED BAND ARCHITECTURE**

and have executed, respectively, a United States patent application therefor on

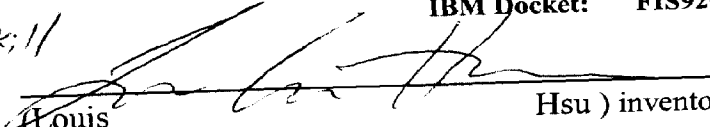
Dates That
Inventor
Signed the

- | | | |
|-----|----------------|------------|
| (1) | <i>6/22/01</i> | 2001 , and |
| (2) | <i>6/22/01</i> | 2001 , |

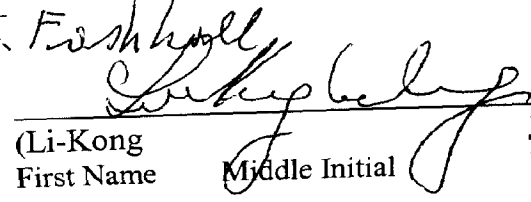
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

City (1) Signed at *E Fishkill*
Date *6/22/01* on

 signature
(Louis) inventor
First Name Middle Initial Last Name

City (2) Signed at *E. Fishkill*
Date *6/22/01* on

 signature
(Li-Kong) inventor
First Name Middle Initial Last Name