

Atty. Docket No. CN920030013US1

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

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

<p>1. Name of conveying party(ies):  Jian Zhang Ling Shao Dong XIE</p> <p>Additional name(s) of conveying party(ies) attached? <u>   </u> Yes <u>  X  </u> No</p>	<p>2. Name and address of receiving party(ies):  Name: International Business Machines Corporation Address: New Orchard Road Armonk, NY 10504</p> <p>Additional name(s) &amp; addresses attached? <u>   </u> Yes <u>  X  </u> No</p>
<p>3. Nature of conveyance:  <u>  X  </u> Assignment</p> <p>Execution Date(s): <u>April 4, 2005, April 1, 2005 and April 1, 2005, respectively.</u></p>	<p>4. Patent Application number(s)  11/082,714 Filed March 17, 2005</p> <p>Execution Date(s): <u>April 4, 2005, April 1, 2005 and April 1, 2005, respectively.</u></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Louis P. Herzberg Address: IBM Corporation Intellectual Property Law Dept. P.O. Box 218 Yorktown Heights, NY 10598</p>	<p>6. Total number of applications involved: <u>  1  </u></p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><u>  X  </u> Charge to Deposit Account No.: <u>  09-0468  </u></p>

**DO NOT USE THIS SPACE**

8. 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 original document.

<u>Louis P. Herzberg (Reg. No. 41,500)</u> Name of Person Signing	 Signature	<u>April 25, 2005</u> Date
--	---	-------------------------------

Total Number of pages including cover sheet, attachments, and document:   6  

**DO NOT DETACH THIS PORTION**

Mail documents to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.

**PATENT**

CH \$40.00 090468 11082714

(JOINT FORM)

(IBM Docket) CN920030013US1

Page 1 of 2

# Assignment

Whereas, we

INVENTOR  
AND CITY

(1) Jian Zhang

of Shanghai  
China

INVENTOR  
AND CITY

(2) Ling Shao

of Beijing  
China

INVENTOR  
AND CITY

(3) Dong XIE

of Beijing  
China

TITLE

have invented certain improvements in  
**PROCESSING MULTI-KEY CONTENT**

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

and executed, respectively, a United States patent application therefor on  
(1) \_\_\_\_\_, 2005, (2) *April 1*, 2005 and  
(3) *April 1*, 2005.

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, we, 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 we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY AND  
DATE

(1) at  
on

2005,

\_\_\_\_\_  
Jian Zhang  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

(JOINT FORM)

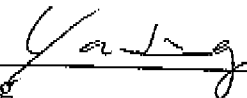
(IBM Docket) CN920030013US1

Page 2 of 2

CITY AND  
DATE

(2) at Beijing  
on April 1


2005,

  
 \_\_\_\_\_ SIGNATURE  
 Ling Shao  
 FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE

(3) at Beijing  
on April 1

2005,

  
 \_\_\_\_\_ SIGNATURE  
 Dong XIE  
 FIRST NAME MIDDLE INITIAL LAST NAME

(JOINT FORM)

(IBM Docket) CN920030013US1

Page 1 of 2

# Assignment

Whereas, we

INVENTOR AND CITY	(1) Jian Zhang	of Shanghai China
INVENTOR AND CITY	(2) Ling Shao	of Beijing China
INVENTOR AND CITY	(3) Dong XIE	of Beijing China

TITLE                    have invented certain improvements in  
**PROCESSING MULTI-KEY CONTENT**

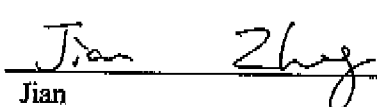
and executed, respectively, a United States patent application therefor on

DATES THAT INVENTORS SIGNED THE DECLARATION	(1) <i>Apr. 4</i> , 2005,	(2)                   , 2005 and
	(3)                   , 2005.	

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, we, 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 we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY AND DATE	(1) at <i>Shanghai</i> on <i>Apr. 4</i> 2005,	 <hr/> Jian                    Zhang FIRST NAME        MIDDLE INITIAL        LAST NAME	SIGNATURE
------------------	--	--	-----------

Page 2 of 2

(JOINT FORM)

(IBM Docket) CN920030013US1

CITY AND DATE (2) at on

2005,

_____			SIGNATURE
Ling		Shao	
FIRST NAME	MIDDLE INITIAL	LAST NAME	

CITY AND DATE (3) at on

2005,

_____			SIGNATURE
Dong		XIE	
FIRST NAME	MIDDLE INITIAL	LAST NAME	