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Additional Names Attached? Yes  No

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Execution Date(s): June 3, 2003

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

If this document is being filed with a new application, the execution date of the application is: June 3, 2003

A. Patent Application No(s)

B. Patent No(s) 10457170

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5. Name and Address of party to whom correspondence concerning the document should be sent:

Name: Gregory M. Doudnikoff

Internal Address:

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6. Total Number of applications and patents involved: 1

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PATENT REEL: 014161 FRAME: 0247

## ASSIGNMENT

Whereas, we

-1 Xiao Wei Hu 

of: Beijing, China

and (2) Qing Jiu Zhu 

of: Beijing, China

have invented certain improvements in

### Object-Oriented System and Method Using Shadowing Object for Approval Control

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

-1 2003.06.03. -2 2003.6.3.


And 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 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 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

(1) at: BEIJING

on: 2003.06.03



Xiao Wei Hu

and (2) at: BEIJING

on: 2003.6.3.



Qing Jiu Zhu