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To The Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.

<p>1. Name of conveying party(ies): See Page 2</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>3. Name and address of receiving party(ies):</p> <p>Name: <u>International Business Machines Corporation</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>New Orchard Road</u></p> <p>City: <u>Armonk</u></p> <p>State: <u>New York</u> Zip Code: <u>10504</u></p> <p>Country: <u>U.S.A.</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s): 10/651,150

If this document is being filed together with a new application, the execution date(s) of the application is/are: _____

A. Patent Application No(s). _____ B. Patent No(s). _____

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>IBM Corporation</u></p> <p>Internal Address: <u>Intellectual Prperty Law Dept. 917</u></p> <p>Street Address: <u>3605 Highway 52 North</u></p> <p>City: <u>Rochester</u> State: <u>MN</u> Zip: <u>55901</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 33.41): <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account if deficiencies occur</p> <p>8. Deposit Account number: <u>09-0465</u> (Attach duplicate copy of this page is paying by deposit account)</p>
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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.

James R. Nock (R. No. 42,937) James R Nock December 3, 2003

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 4
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Washington, D.C. 20231

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1. Additional Names of Conveying Parties:

- (a) Chen, Thaddeus
- (b) Chen, Zhaoqing
- (c) Harrer, Dr. Hubert
- (d) Hoffman, Jan Elizabeth
- (e) Karwoski, Susan Marie
- (f) Park, Joonsuk
- (g) Reichmann, Edwin Scott
- (h) White, Stephen Bruce
- (i) Zack, John W.

2. Execution Dates:

- (a) November 5, 2003
- (b) November 11, 2003
- (c) November 18, 2003
- (d) August 22, 2003
- (e) August 22, 2003
- (f) November 5, 2003
- (g) August 22, 2003
- (h) August 22, 2003
- (i) August 22, 2003

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Washington, D.C. 20231

REEL: 014175 FRAME: 0181

ASSIGNMENT

WHEREAS, we, Thaddeus Chen, residing at 18 Blackthorn Loop, Wappingers Falls, New York 12590; and Zhaoging Chen, residing at 4 Sun Lane, Poughkeepsie, New York 12601-5815; and Dr. Hubert Harrer, residing at Rilkeweg 18, D-71101 Schoenaich, Germany; and Jan Elizabeth Hoffman, residing at 2323 58th Street NW, Rochester, Minnesota 55901; and Susan Marie Karwoski, residing at 719 26th Street NW, Rochester, Minnesota 55901; and Joonsuk Park, residing at 2698 Deer Track Court, Mohegan Lake, New York 10547; and Edwin Scott Reichmann, residing at 612 Margaret Street NE, Chatfield, Minnesota 55923, and Stephen Bruce White, residing at RR1, Box 281, Minnesota City, Minnesota 55959; and John W. Zack, residing at 1119 41st Street NW, Rochester, Minnesota, 55901, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on November 5, 2003, November 11, 2003, November 18, 2003, August 22, 2003, August 22, 2003, November 5, 2003, August 22, 2003, August 22, 2003 and August 22, 2003, respectively, which is entitled SIMULATION MANAGEMENT SYSTEM.

AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more

effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

11/05/2003
Date
Thaddeus Chen
Thaddeus Chen

11/11/2003
Date
Zhaoqing Chen
Zhaoqing Chen

11/18/2003
Date
Dr. Hubert Harrer
Dr. Hubert Harrer

8/22/2003
Date
Jan Elizabeth Hoffman
Jan Elizabeth Hoffman

8/22/03
Date
Susan Marie Karwoski
Susan Marie Karwoski

11/05/2003
Date
Joonsuk Park
Joonsuk Park

8/22/2003
Date
Edwin Scott Reichmann
Edwin Scott Reichmann

8/22/2003
Date
Stephen Bruce White
Stephen Bruce White

8/22/2003
Date
John W. Zack
John W. Zack