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OMB No. 0651-0011 (exp. 4/94)

To the Honorable Commissioner of Patents and

original documents or copy thereof.

1. Name of conveying party(ies):

Ronald P. Doyle
David Louis Kaminsky

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

Execution Dates: **February 13, 2003**
February 13, 2003

102384343

2. Name and address of receiving party(ies):

Name: **International Business Machines Corporation**

Internal Address:

Street Address: **New Orchard Road**
Armonk, New York 10504

Additional name(s) & address(es) attached? Yes No

JC997 U.S. PTO
10/370817

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: **February 13, 2003**

A. Patent Application No.(s)

10370817

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: **Steven M. Greenberg, Esquire**

Internal Address:

Street Address: **AKERMAN SENTERFIT**
222 Lakeview Avenue
P.O. Box 3188
West Palm Beach, FL 33402-3188

6. Total number of applications and patents involved: **One**

7. Total Fee (37 CFR 34)\$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number
09-0461

(Attach duplicate copy of this page if paying by deposit account)

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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.

Steven M. Greenberg, Reg. No. 44,725

Docket No. RSW920020138US1 (080)

2.20.03
Date

Total number of pages including cover sheet: 2

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01 FC:0021 40.00 CH

Express Mail No. EL 920512003 US

{WP122229;1}

PATENT
REEL: 013810 FRAME: 0444

ASSIGNMENT

WHEREAS, I:

- (1) Ronald P. Doyle
County of Of Raleigh
and State of North Carolina
- (2) David Louis Kaminsky
County of Of Chapel Hill
and State of North Carolina

have invented certain improvements in

GRID SERVICE SCHEDULING RELATED SERVICES USING HEURISTICS

and executed a United States patent application therefore on the following date(s):

- (1) February 13, 2003
- (2) February 13, 2003

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York, 10504 (hereinafter called IBM), desires to acquire the entire right, title and interest in the 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on 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:

	<u>LOCATION</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>Durham NC</u>	<u>2/13/03</u>	<u>Ronald P. Doyle</u> Ronald P. Doyle
(2)	<u>Durham, N.C.</u>	<u>2/13/03</u>	<u>David Louis Kaminsky</u> David Louis Kaminsky

{WP121587;1}