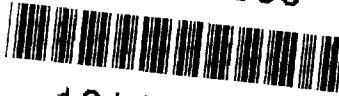


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SHEET

8-22-00

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name(s) of conveying party:

- (1) Byron Edward Dom
- (2) Jianchang Mao
- (3) Dmitry Pavlov

10873 U.S. PTO
 09/643590
 06/22/00

2. Name and address of receiving party:

International Business Machines Corporation
 New Orchard Road
 Armonk, NY 10504

09/643590

3. Nature of conveyance: Assignment

Execution Dates: (1) August 17, 2000 (2) August 4, 2000 (3) August 5, 2000

4. Application number:

Docket No.: ARC9-2000-0012-US1

If this Assignment is being filed together with a new application, enter the execution date of the application (date Declaration signed): (1) August 17, 2000 (2) August 4, 2000 (3) August 5, 2000

A. Patent Application No.(s)

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

John L. Rogitz
 Rogitz & Associates
 750 B Street, Suite 3120
 San Diego, CA 92101

6. Total number of applications involved: 1

7. Total fee (37 CFR 3.41) = \$40.00

8. Charge fee to Deposit Account No. 09-0441

10/06/2000 00000065 090441 09643590

01 FC:581 40.00 CH

DO NOT USE THIS SPACE

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.

John L. Rogitz
Attorney Name

Signature of Attorney

Date

8/22/00

ASSIGNMENT

Whereas, we,

- (1) **BYRON EDWARD DOM**
City of **Los Gatos** County of **Santa Clara** State of **California**
- (2) **JIANCHANG MAO**
City of **San Jose** County of **Santa Clara** State of **California**
- (3) **DMITRY PAVLOV**
City of **Irvine** County of **Orange** State of **California**

have invented certain improvements in (Title of Invention):

SYSTEM AND METHOD FOR BOOSTING SUPPORT VECTOR MACHINES

and executed a Declaration and Power of Attorney for a United States patent application therefor on:

- (1) August 17, 2000 (2) _____
- (3) _____

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 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.

Execution by Inventors

- (1) Inventor: **Byron Edward Dom** City/State: San Jose, CA
Signature: [Handwritten Signature] Date: Aug. 16, 2000
0 17
- (2) Inventor: **Jianchang Mao** City/State: _____
Signature: _____ Date: _____
- (3) Inventor: **Dmitry Pavlov** City/State: _____
Signature: _____ Date: _____

ASSIGNMENT

Whereas, we,

- (1) **BYRON EDWARD DOM**
City of **Los Gatos** County of **Santa Clara** State of **California**
- (2) **JIANCHANG MAO**
City of **San Jose** County of **Santa Clara** State of **California**
- (3) **DMITRY PAVLOV**
City of **Irvine** County of **Orange** State of **California**

have invented certain improvements in (Title of Invention):

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and executed a Declaration and Power of Attorney for a United States patent application therefor on

- (1) _____ (2) **August 4, 2000**
- (3) _____

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 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**.

Execution by Inventors

- (1) Inventor: **Byron Edward Dom** City/State: _____
Signature _____ Date _____
- (2) Inventor: **Jianchang Mao** City/State: **San Jose / CA**
Signature **Jianchang Mao** Date **8/4/00**
- (3) Inventor: **Dmitry Pavlov** City/State: _____
Signature _____ Date _____

ASSIGNMENT

Whereas, we,

- (1) **BYRON EDWARD DOM**
City of Los Gatos County of Santa Clara State of California
- (2) **JIANCHANG MAO**
City of San Jose County of Santa Clara State of California
- (3) **DMITRY PAVLOV**
City of Irvine County of Orange State of California

have invented certain improvements in *(Title of Invention)*:

SYSTEM AND METHOD FOR BOOSTING SUPPORT VECTOR MACHINES

and executed a Declaration and Power of Attorney for a United States patent application therefor on

- (1) _____ (2) _____
- (3) **August 5, 2000**

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 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.

Execution by Inventors

(1) Inventor: **Byron Edward Dom** City/State: _____
 Signature _____ Date _____

(2) Inventor: **Jianchang Mao** City/State: _____
 Signature _____ Date _____

(3) Inventor: **Dmitry Pavlov** City/State: **Irvine, CA**
 Signature  Date **August 5/2000**