

08-12-2003

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7-31-03

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>(1) Matthew Edward King (2) Peichum Peter Liu (3) David Mui</p> <p>Additional name(s) of conveying party(ies) attached? ___ Yes ___ No</p>	<p>Execution Date:</p> <p>July 2, 2003 July 9, 2003 July 2, 2003</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">03915 U.S. PTO 10/631542</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">07/31/03</p>
<p>2. Name and address of receiving party(ies):</p> <p>International Business Machines Corporation New Orchard Road Armonk, New York 10504</p>	<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other _____</p>

4. Application number(s) or patent number(s): 10/631542

If this document is being filed together with a new application, the execution date of the application is

(1) ~~07-02-03~~ (2) ~~07-09-03~~ (3) ~~07-02-03~~

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

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

Robert M Carwell
IBM Corporation
Intellectual Property Law
11400 Burnet Road
Austin, TX 78758
(512) 823-1017

6. Total number of applications and patents involved: 1

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

___ Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

09/0447

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.

Robert M Carwell
Name of Person Signing

RM Carwell
Signature

7/30/03
Date

ASSIGNMENT

Whereas, we,

(1) Matthew Edward King of 1108 Twin Creek Drive, Pflugerville, Texas 78660
County of Travis and State of Texas

and

(2) Peichum Peter Liu of 10812 Low Bridge Lane, Austin, Texas 78750
County of Travis and State of Texas

and

(3) David Mui of 8500 Ocelot Cove, Round Rock, Texas 78681
County of Williamson and State of Texas

have invented certain improvement in

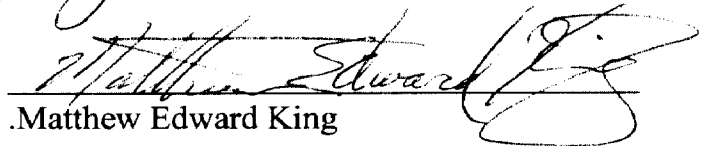
NON-FENCED LIST DMA COMMAND MECHANISM

and executed a United States patent application therefore on (1) July 2, 2003;
(2) July 9, 2003; (3) July 2, and 2003.

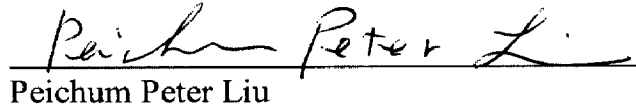
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at Austin on July 2, 2003.


Matthew Edward King

(2) Signed at Austin on July 9, 2003.


Peichum Peter Liu

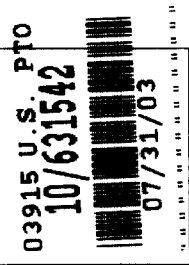
(3) Signed at Austin on July 2, 2003.


David Mui

RECORDATION FORM COVER SHEET
PATENTS

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

<p>1. Name of conveying party(ies):</p> <p>(1) Takeshi Tamazaki</p> <p>Additional name(s) of conveying party(ies) attached? ___ Yes ___ No</p>	<p>Execution Date:</p> <p>July 30, 2003</p>
<p>2. Name and address of receiving party(ies):</p> <p>Sony Computer Entertainment Inc. 1-1, Akasaka 7-chome, Minato-ku Tokyo, 107-0052 Japan</p>	<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment ___ Merger</p> <p>___ Security Agreement ___ Change of Name</p> <p>___ Other _____</p>



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

If this document is being filed together with a new application, the execution date of the application is

(1) 01-28-03

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

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

Sony Computer Entertainment Inc.
1-1, Akasaka 7-chome,
Minato-ku
Tokyo, 107-0052 Japan

6. Total number of applications and patents involved: 1

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

___ Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

09/0447

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.

Robert M Carwell
Name of Person Signing

RM Carwell
Signature

7/30/03
Date

Total number of pages including cover sheet: 2

STI No. 1130

IBM Docket No. AUS920030084US1

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in: **NON-FENCED LIST DMA COMMAND MECHANISM**

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Computer Entertainment Inc., a Japanese corporation with offices at 1-1, Akasaka 7-chome, Minato-ku, Tokyo, 107-0052 Japan, (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, I, as a solo or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said applications, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patent, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said applications for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

This assignment executed on the dates indicated below.

Takeshi Yamazaki
Name of First or Sole Inventor

12340 Alameda Trace Circle # 2902, Austin, Texas 78727
Residence of First or Sole Inventor

 7/30/03
Signature of First or Sole Inventor Date of this Assignment