

Form PTO-1595  
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102921507

Attorney Docket No.: 83396.0006

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

1. Name of conveying party(ies):

Hiroaki Murakami  
Shoji Onishi  
Osamu Takahashi

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other Corrective previously recorded at reel/frame 015282/0509 of an erroneous recorded serial number 10/359,805

Execution Date: November 25, 2002

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

Toshiba America Electronic Components, Inc.  
9775 Toledo Way  
Irvine, California 92618  
U.S.A.

International Business Machines Corporation  
New Orchard Road  
Armonk, New York 10504  
U.S.A.

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

4. Application number(s) or patent number(s): 10/295,424

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Troy M. Schmelzer, Esq.  
HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, CA 90071

6. Total number of applications and patents involved: [ 1 ]

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

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Troy M. Schmelzer

Date: February 1, 2005

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

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05-17-2005

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6/12/03

102905998

Attorney Docket No.: 83366.006

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

1. Name of conveying parties:  
Hiroaki Murakami, Shoji Onishi, and Osamu Takahashi  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party:  
Toshiba America Electronic Components, Inc.  
9775 Toledo Way  
Irvine, California 92618  
U.S.A.  
International Business Machines Corporation  
New Orchard Road  
Armonk, New York 10804  
U.S.A.  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Dates: November 25, 2002

4. Application number(s) or patent number(s): 10358,805  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s) 10-359,805  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Anthony J. Oter, Esq.  
HOGAN & HARTSON LLP.  
500 South Grand Avenue, Suite 1900  
Los Angeles, CA 90071

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41) \$40.00  
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8. Deposit account number: 40.00 paid  
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Anthony J. Oter  
Reg. No. 41,232  
Date: June 12, 2003

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Attorney Docket No. 83396.0006

ASSIGNMENT

- (1-8) Insert Name(s) of Inventor(s) (1) Hiroaki Murakami (5)
- (2) Shoji Onishi (6)
- (3) Osamu Takahashi (7)
- (4) (8)

In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (9) Insert name of Assignee(s) (9) Toshiba America Electronic Components, Inc. and International Business Machines Corporation
- (10) Insert state of Incorporation of Assignee(s) (10) California for Toshiba America Electronic Components, Inc., and New York for International Business Machines Corporation
- (11) Insert address of Assignee(s) (11) 9775 Toledo Way, Irvine, California 92618 for Toshiba America Electronic Components, Inc., and New Orchard Road, Armonk, New York 10504 for International Business Machines Corporation (hereinafter designated as the Assignee(s)) the entire worldwide right, title and interest (one-half (50%) of the entire worldwide right, title and interest to Toshiba America Electronic Components, Inc. and one-half (50%) of the entire worldwide right, title and interest to International Business Machines Corporation) in the invention known as
- (12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number (12) APPARATUS AND METHOD FOR PRECHARGING AND DISCHARGING A DOMINO CIRCUIT for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.
- (13) Insert Date of Signing of Declaration (13) on May 14, 2003 and May 15, 2003

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee(s) in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee(s).

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee(s), as Assignee(s) of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number:

000026021



26021

PATENT TRADEMARK OFFICE

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Nov. 25, 2002 Signature of Inventor 1 Hiroaki Murakami

Date: Nov. 25, 2002 Signature of Inventor 2 Shoji Onishi

Date: Nov 25 2002 Signature of Inventor 3 Osamu Takahashi