

MRD  
8-21-98

08-31-1998



To the Honorable Commissioner of Patents and  
Please record the attached original documents or copy thereof.

100810460

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):  
1. Hirohisa IIZUKA 2. Shinji SATOH 3. Riichiro SHIBATA

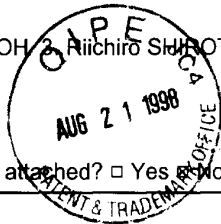
Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

Other

Execution Date: June 12, 1998



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

Name: Kabushiki Kaisha Toshiba

Internal Address: 72 Horikawa-Cho, Saiwai-Ku, Kawasaki-Shi, Kanagawa-Ken, Japan

Street Address:

City:

State: Zip Code:

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

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:

A. Patent Application Number(s):  
09/097,152

B. Patent Number(s):

Additional numbers attached?  Yes  No

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

Name: Mr. Ernest F. Chapman

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

08/27/1998 JSHABAZZ 00000027 09097152

01 F:581 40.00

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

6. Total number of applications and registrations involved:  
1

7. Total fee (37 CFR 3.41): \$40

Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

8. Deposit account number: 06-0916

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.

Richard V. Burgujian

*Ernest F. Chapman*  
Signature ERNEST F. CHAPMAN

August 21, 1998  
Date

Total number of pages including cover sheet, attachments and documents: 2

A S S I G N M E N T

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for United States Letters Patent concurrently herewith or on \_\_\_\_\_ or filed an application for United States Letters Patent on June 12, \_\_\_\_\_, 1998 (Serial No. 09/097,152); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA, a corporation of Japan, whose post office address is 72, Horikawa-Cho, Saiwai-Ku, Kawasaki-Shi, Kanagawa-Ken, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/097,152, filed June 12, 1998) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor : Assignor's Signature	: Date
<u>Hirohisa IIZUKA</u>	: <u>June 12, 1998</u>
Address <u>2501-141, 2-5-1, Shiomidai, Isogo-ku, Yokohama-shi,</u>	: Citizenship
<u>Kanagawa-ken, Japan</u>	: <u>Japan</u>
2. Full Name of Second Assignor : Assignor's Signature	: Date
<u>Shinji SATOH</u>	: <u>June 12, 1998</u>
Address <u>1-3-3-104, Muraoka Higashi, Fujisawa-shi,</u>	: Citizenship
<u>Kanagawa-ken, Japan</u>	: <u>Japan</u>
3. Full Name of Third Assignor : Assignor's Signature	: Date
<u>Riichiro SHIROTA</u>	: <u>June 12, 1998</u>
Address <u>5645-74, Tsujido, Fujisawa-shi, Kanagawa-ken, Japan</u>	: Citizenship
	: <u>Japan</u>

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER · WASHINGTON, D.C.