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To the Honorable Commissioner of Patents and Trad
Please record the attached original documents or co

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ASSIGNMENTS

1. Name of conveying party:
Shigeyuki KOBAYASHI, Masayuki ENOKI, Buntaro SAWA and
Katsumi HIRAI

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name

Other

Execution Date: March 10, 2000

2. Name and address of receiving party:

Name: Kabushiki Kaisha Toshiba

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Street Address: 72 Horikawa-cho, Saiwai-ku,
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City:

State:

Zip Code:

Additional name(s) & Address(es) attached?

Yes No

10542 U.S. P.T.P.
09/533766
03/23/00

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: March 10, 2000

A. Patent Application Number:

B. Patent Number:

09/533766

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.

Street Address: 1300 I Street, N.W.

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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)

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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

[Signature]
Signature

March 23, 2000

Date

Total number of pages including cover sheet, attachments and documents: 3

40.00 OP

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

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sell and assign to

KABUSHIKI KAISHA TOSHIBA, a Japanese corporation, having a place of business at 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, and assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) [X] executed concurrently herewith;
[] executed on ;
[] Application No. , filed :

and in and to all applications for patent and patents for invention, in all countries of the world, including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

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