

FORM PTO-1595  
1-31-92

JUN 04 2004

RECORD

06-09-2004



U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 04329.3214  
Attorney Customer Number: 22,852

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

102761677

DX ASSIGNMENTS RECORDATION  
SERVICES

1. Name of conveying party(ies):

- 1) Daisuke KUROSE  
2) Tetsuro ITAKURA  
3) Rui ITO

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

Name: KABUSHIKI KAISHA TOSHIBA

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

Internal Address:

3. Nature of conveyance:

Street Address: 1-1 Shibaura 1-chome, Minato-ku,  
Tokyo, Japan

☒ Assignment ☐ Merger

City:

☐ Security Agreement ☐ Change of Name

State:

Zip Code:

☐ Other:

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

Execution Date: March 11, 2004

☐ 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): 10/743,949

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

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

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

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

State: Zip: 20005-3315

8. Deposit Account No.: 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

Reg. No. 31,744

Signature ERNEST F. CHAPMAN

June 4, 2004

Date

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

06/08/2004 REGISTRATION 00000132 10743949

01 FC:0021

40.00 DP

PATENT  
REEL: 015426 FRAME: 0972

## A S S I G N M E N T

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to 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:

## VARIABLE TIME CONSTANT CIRCUIT AND FILTER CIRCUIT USING THE SAME

said application having been filed on December 24, 2003  
and assigned Application No. 10/743,949 ;

sell and assign to

KABUSHIKI KAISHA TOSHIBA

a corporation of Japan, having a business address at  
1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan

its successors, 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 application for United States  
patent: (check one)

☒ executed concurrently herewith;

☐ executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions 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 proceeding, 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.

I hereby grant the following law firm 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 U. S. Patent and Trademark Office for recordation of this document.

Finnegan, Henderson, Farabow, Garrett & Dunner, L. L. P.,  
1300 I Street, N.W., Washington, D. C., 20005-3315

03S0930

Residence

Yokohama-shi, Japan

Tokyo, Japan

Chigasaki-shi, Japan

**PATENT**  
**REEL: 015426 FRAME: 0974**