

01-06-2000

Atty Docket No.: 0039-7464-2S/klm

FORM PT-D-1595  
1-31-92

F  
F



101239510

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

11/10 12.14.99

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

1. Name of conveying party(ies):  
Hideyuki HAGINO and Susumu HOSHINO  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: KABUSHIKI KAISHA TOSHIBA  
Address: 72 Horikawa-cho, Saiwai-ku,  
Kawasaki-shi, Japan  
  
Additional name(s) and address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
  
Execution Date: December 3, 1999

Additional name(s) and 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 is: **December 3, 1999**  
A. Patent Application No.(s)

B. Patent No.(s)  
  
Additional numbers attached?  Yes  No 09/459889

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total 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: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

**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.*  
  
Marvin J. Spivak  
Name of Person Signing  
Registration Number: 24,913  
  
Total number of pages including this cover sheet: **3**

*C. Irvin McClelland*  
Signature  
**C. Irvin McClelland**  
Registration Number 21,124  
  
12/14/99  
Date

Do not detach this portion

01/03/2000 SCARNICH 00000011 09459889

Mail documents to be recorded with required cover sheet information to:

02 FC:581

40.00 00

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

JC678 U.S. PTO  
09/459889  
12/14/99

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

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 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:

### COMPUTATIONAL CIRCUIT

said application having been filed on \_\_\_\_\_  
and assigned Serial No. \_\_\_\_\_ ;  
sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a corporation of Japan, having a business address at  
72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, 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.

Oblon, Spivak, McClelland, Maier & Neustadt, P. C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

ASSIGNMENT

99S0787

Inventor: (Signature)

Date

Residence

*Hideyuki - Hagino*

DEC. - 3. 1999

Kumagaya-shi, Japan

Hideyuki Hagino

*Susumu Hoshino*

DEC. - 3. 1999

Yokohama-shi, Japan

Susumu Hoshino

RECORDING OFFICER:

After recording please return to:  
OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.,

Fourth Floor,  
1755 Jefferson Davis Highway,  
Arlington, Virginia 22202