

05-16-2000



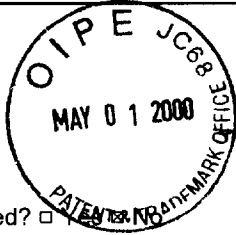
To the Honorable Commissioner of Patents

Please record the attached original documents or copy thereof.

101357201

ATTN. BOX ASSIGNMENTS

1. Name of conveying parties:

1) Masue SHIBA  
3) Shinichi KAWAMURAAdditional name(s) of conveying party(ies) attached? ☐

2. Name and address of receiving party:

Name: Kabushiki Kaisha Toshiba

Internal Address:

Street Address: 72 Horikawa-cho, Saiwai-ku  
Kawasaki-shi, Japan

City:

State:

Zip Code:

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name

Other

☐Execution Date: 1) February 2, 2000  
2) February 3, 2000

Additional name(s) &amp; 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: 09/487,483

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.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

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

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

Registration No. 31,744

Signature

ERNEST F. CHAPMAN

May 1, 2000

Date

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

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:

ARITHMETIC METHOD AND APPARATUS AND CRYPTO PROCESSING  
APPARATUS

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 \_\_\_\_\_ ;  
☒ [X] Application No. 09/487,483 , filed January 19, 2000 ;

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.

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, U. S. A.

[1st Inventor]

Post Office Address: c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Residence Address: Fuchu-shi, Japan

Country of Citizenship: Japan

Date: February 2, 2000 Masue Shiba  
Masue Shiba

[2nd Inventor]

Post Office Address: c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome,  
Minato-ku, Tokyo 105-8001, Japan

Residence Address: Kodaira-shi, Japan

Country of Citizenship: Japan

Date: February 3, 2000 Shinichi Kawamura  
Shinichi Kawamura

After recording please return to:

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