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To the Director of the United States Patent

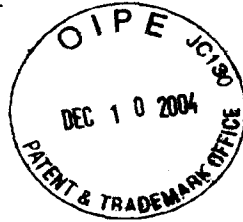
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shed original documents or copies thereof.

1. Name of conveying party(ies):

Takuya Handa
Fubito Igari
Akihiro Watanabe

12-10-04



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

KABUSHIKI KAISHA TOSHIBA
Intellectual Property Division
1-1 Shibaura 1-chome, Minato-ku
Tokyo, JAPAN 105-8001 Japan

Additional conveying party(ies)

NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

November 15, 2004

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

NO

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s):

10/912,530

B. Patent Number(s):

Unassigned

Additional numbers attached? NO

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

David A. Blumenthal
FOLEY & LARDNER LLP
2029 Century Park East - Suite 3500
Los Angeles, California 90067-3021

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

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8. Deposit account number: 50-0872

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

David A. Blumenthal

December 7, 2004

Name of person signing

Signature

Date

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

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ASSIGNMENT

3VG036768-USA-A
(03S1776-1)

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:

ELECTRONIC DEVICE WITH SERIAL ATA INTERFACE AND SIGNAL AMPLITUDE ADJUSTING METHOD

sell and assign to
KABUSHIKI KAISHA TOSHIBA
a Japanese corporation, having a business address at
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, 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 United States patent application:

(check one) ☒ executed concurrently herewith
☐ executed on _____ ;
☒ Application No. 10/912,530, filed August 4, 2004 ;

and in and to all applications for patent and patents for invention 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, continued prosecution, 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.

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.

Foley & Lardner, 35th Floor, One Century Plaza, 2029 Century Park East, Los Angeles, California 90067-3000

ASSIGNMENT

(03S1776-1)

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Date:

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NOV. 15. 2004

Date:

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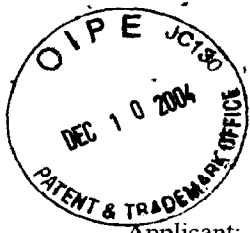
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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Takuya HANDA et al.
Title: ELECTRONIC DEVICE WITH SERIAL
ATA INTERFACE AND SIGNAL
AMPLITUDE ADJUSTING METHOD
Appl. No.: 10/912,530
Filing Date: 08/04/04
Examiner: Unassigned
Art Unit: Unassigned

CERTIFICATE OF MAILING

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

I hereby certify that the following paper(s) and/or fee along with any attachments referred to or identified as being attached or enclosed are being deposited with the United States Postal Service as First Class Mail under 37 C.F.R. § 1.8(a) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

1. Recordation Form cover Sheet
2. Executed Assignment (2 pages)
3. Check No. 17328 (\$40) for fee
4. Postcard

Respectfully submitted,

David A. Blumenthal
Reg. No. 26,257

12-7-04
Date

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