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DEPARTMENT OF COMMERCE Patent and Trademark Office

102724924

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

1. Name of conveying party(ies): Tomohiro Hamada; Atsushi Tatemichi 4.8.04

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

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

Internal Address: Street Address: 1-1, Shibaura 1-chome, Minato-ku

3. Nature of Conveyance: [] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

City: Tokyo State: ZIP: 105-8001 Country: Japan

Execution Date: 4/1/04

Additional name(s) & address(es) attached? [] No [] Yes

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: 4/1/04

A. Patent Application No.(s) Unassigned 10821059

B. Patent No.(s)

Additional numbers attached? [X] No [] Yes

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

6. Total number of applications and patents involved: 1

Name: Blakely, Sokoloff, Taylor & Zafman LLP

7. Total Fee (37 CFR 3.41).....\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account

Internal Address: Street Address: 12400 Wilshire Boulevard 7th Floor

City: Los Angeles State: CA ZIP: 90025

8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

04/13/2004 MBELETE1 00000063 10821059 40.00 DP

William W. Schaal Name of Person Signing

Signature

April 8, 2004 Date

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

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Docket No. 6639P022

PATENT REEL: 015214 FRAME: 0186

22390 U.S. PTO 10/821059 040804

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned:

Tomohiro Hamada
Atsushi Tatemichi

hereby sell, assign, and transfer to:

Kabushiki Kaisha Toshiba

a Corporation of Japan, having a principal place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 105-8001 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

AN ELECTRONIC APPARATUS HAVING A HOUSING

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate

to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Date: Apr. 01. 2004 Tomohiro Hamada
Name: Tomohiro Hamada

Date: Apr. 1. 2004 Atsushi Tatemichi
Name: Atsushi Tatemichi

Date: _____
Name: _____

Date: _____
Name: _____

Date: _____
Name: _____

Date: _____
Name: _____

Date: _____
Name: _____

Assignment Document Return Address:
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