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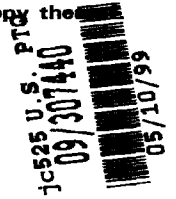
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3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): April 23, 1999

_____ , _____ , _____ , respectively.

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

09.307440

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

April 23, 1999

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A. Patent Application No. (s)

B. Patent No.(s)

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

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.
767 Third Avenue, 25th Floor
New York, New York 10017-2023

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41): \$ 40.00

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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.

Dated: May 10, 1999

By: Leonard Holtz, Reg. No. 22,974

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I hereby certify that this paper and enclosed application and fee are being deposited with the United States Postal Service "Express Mail Post Office Addresses" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patent and Trademarks, Washington, D.C. 20231.

Barbara Villani
9/4/92

Total number of pages comprising cover sheet: 3

A S S I G N M E N T

In consideration of value received, I, having a residence and post office address 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:

SHIFT REGISTER, DISPLAY DEVICE, IMAGE SENSING ELEMENT
DRIVING APPARATUS, AND IMAGE SENSING APPARATUS

said application having been filed on _____
and assigned Serial No. _____ ;
sell and assign to _____
CASIO COMPUTER CO., LTD.
a corporation of Japan, having a business address at
6-2, Hon-machi 1-chome, Shibuya-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.

Frishauf, Holtz, Goodman, Langer & Chick, P. C., 767 Third Avenue - 25th Floor, New York, N. Y. 10017-2023

ASSIGNMENT

98S1142-1

Inventor: (Signature)

Date

Residence and post office address

Minoru Kanbara
Minoru Kanbara

April 23, 1999

197-3, Komiyamachi,
Hachioji-shi, Tokyo, Japan

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