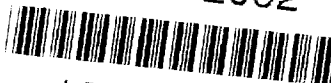


Atty Docket No.: 218106US2S

FORM PTO-1595
1-31-92



05-16-2002



102092295

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record this document.

Documents or copy thereof.

1. Name of conveying party(ies):

Masahiro SEIKI, Ryoichi WATANABE and Akimasa TOYAMA

5-13-02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: KABUSHIKI KAISHA TOSHIBA

Address: 1-1 Shibaura 1-chome,
Minato-Ku, Tokyo, Japan 105-8001

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 5, 2002

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:

A. Patent Application No.(s)

10/043,193

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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



22850

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

Joseph A. Scafetta, Jr.

Signature

Joseph A. Scafetta, Jr.
Registration No. 26,803

May 11, 2002

Date

Total number of pages including this cover sheet: 3

Do not detach this portion

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

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

05/15/2002 DBYRNE 00000156 10043193

01 FC:581

40.00 OP

PATENT
REEL: 012888 FRAME: 0579

A S S I G N M E N T

In consideration of value received, I, having a mailing 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:

LIQUID CRYSTAL DISPLAY

said application having been filed on January 14, 2002
and assigned Application No. 10/043,193 ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at
1-1 Shibaura 1-chome, Minato-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, contin-
uations, 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 Assig-
nment 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

A S S I G N M E N T

0181714

Inventor: (Signature)

Date

Residence

Masahiro Seiki

FEB. 5 2002

Fukaya-shi, Japan

Masahiro Seiki

Ryoichi Watanabe

FEB. 5 2002

Yokohama-shi, Japan

Ryoichi Watanabe

Akimasa Toyama

FEB. 5 2002

Himeji-shi, Japan

Akimasa Toyama

RECORDING OFFICER:

After recording please return to:
Oblon, Spivak, McClelland,
Maier & Neustadt, P.C.,

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

RECORDED: 05/13/2002

PATENT
REEL: 012888 FRAME: 0581