

A/D581-40

12-24-2003

10/469011

To the Honorable Assistant Secretary and C
or copy(ies) thereof.

1008 Rec'd PCT/PTO 26 AUG 2003

1. Name of conveying party(ies):

8.26-33 102631241

Katsuyuki ARIMOTO, Yoshihito OHTA, Takahiro
KOBAYASHI, Tsugio MURAO, Taro FUNAMOTO

Address of receiving party(ies):

Name: Matsushita Electric Industrial Co., Ltd.Street Address: 1006, Oaza Kadoma, Kadoma-shi,
Osaka 571-8501 JapanAdditional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: August 15, 2003Additional name(s) & address(es) attached? No

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

10469011

If this document is being filed together with a new application, the execution date of the application is: August 15, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Jeffrey R. Filipek, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$40.00☒ Enclosed (Check No. 57332)
Authorized to be charged to deposit account8. Deposit account number: 23-0975

(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.*Jeffrey R. Filipek, Reg. No. 41,471

Name of Person Signing

Signature

August 26, 2003

Date

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

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

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

ATTACHMENT E

PATENT
REEL: 014811 FRAME: 0729

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s) Katsuyuki ARIMOTO, Yoshihito OHTA,
Takahiro KOBAYASHI, Tsugio MURAO and Taro FUNAMOTO

the undersigned hereby sell(s) and assign(s) to

Insert Name(s) of Assignee(s) Matsushita Electric Industrial Co., Ltd.
of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan
Address

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention LIQUID CRYSTAL DISPLAY APPARATUS AND DRIVE METHOD THEREOF

for which an application for patent in the United States has been executed by the undersigned

Date of Signing of Application on August 15, 2003

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date August 15, 2003, Name of the Inventor Katsuyuki Arimoto
Katsuyuki ARIMOTO
Date August 15, 2003, Name of the Inventor Yoshihito Ohta
Yoshihito OHTA
Date August 15, 2003, Name of the Inventor Takahiro Kobayashi
Takahiro KOBAYASHI
Date August 15, 2003, Name of the Inventor Tsugio Murao
Tsugio MURAO
Date August 15, 2003, Name of the Inventor Taro Funamoto
Taro FUNAMOTO
Date _____, Name of the Inventor _____
Date _____, Name of the Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Wataru Machidori

Witness Satoshi Kitao

ACKNOWLEDGMENT

_____ } ss

This _____ day of _____, 19____, before me personally came the above-named me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date _____

Applicant Reference Number FP-1302PCT Atty Docket No. _____

Title of Invention LIQUID CRYSTAL DISPLAY APPARATUS AND DRIVE METHOD THEREOF