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FORM PTO-1595

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

1. Name of conveying party(ies):

Eiji Iwasaki

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

3. Nature of Conveyance:

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

Execution Date: March 12, 2004

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

Name: Matsushita Electric Industrial Co., Ltd.Street Address: 1006, Oaza, KadomaCity: Kadoma-shi State: OsakaZip: 571-8501 Country: JAPANAdditional name(s) of receiving party(ies) attached? ☐ Yes ☒ No22278 U.S. PTO
10/830215

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4. Application number(s) or patent number(s): 10830215If this document is being filed together with a new application, the execution date of the application is: March 12, 2004

A. Patent Application No.(s):

/26/2004 HTECKLU1 00000060 10830215

FC:8021

40.00 DP

B. Patent No.(s):

Additional number(s) attached? ☐ Yes ☒ No

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

Name: Jeffrey J. SopkoStreet Address: 1801 East 9th StreetSuite 1200City: Cleveland State: OH Zip: 44114-31086. Total number of applications and patents involved: 17. Total Fee (37 C.F.R. §3.41)\$40.00

- ☒ Enclosed
☒ Authorized to be charged to Deposit Account
for any uncovered fees

8. Deposit Account No.

16-0820, Order No. 36453

(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 information is true and correct and any attached copy is a true copy of the original document.*Jeffrey J. Sopko

Name of Person Signing

Signature

April 22, 2004

Date

Total number of pages including cover sheet, attachments, and document: 4PATENT
REEL: 015261 FRAME: 0801

A S S I G N M E N T

譲渡証

下記名称の新規でかつ有用性ある改良が後記の署名者によってなされ、

(発明の名称)

それらの改良について米国特許商標庁への特許出願書が作成され、後記署名者による署名の横の該当する個所に記載された日付で宣言書が作成された。その特許出願は、下記の番号により識別されるものである。

外国での先行する出願

(Number) (番号) (Country) (国名)
Pat. 2003-124056 Japan

日本国

の法人
である

(本譲渡証中、以下「譲受人」と称する)は、上記改良、発明及びそれらについての特許権に関する全世界的な権利、権原及び利益を取得することを希望する。

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WHEREAS, new and useful improvements have been made by the undersigned in

Liquid Crystal Display Panel Driving Apparatus and Liquid Crystal Display Apparatus

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below in the appropriate spaces under the signatures of the undersigned, which application is further identified as: PRIOR FOREIGN APPLICATION(s)

(Day/Month/Year Filed) (出願年月日)
28 April, 2003

WHEREAS, Matsushita Electric Industrial Co., Ltd.,

a corporation of Japan of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 Japan

hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past

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本契約書の署名者は、同日付で作成された特許出願宣誓書兼委任状にて委任をした代理人に対し、本譲渡証を登録するにあたり、米国特許商標局の法規に従うために必要または適当などんな確認用の表示をも挿入する権限をここに与える。

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infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment; and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the patent attorneys whom I appoint as my attorneys to prosecute the patent application in the Declaration and Power of Attorney For Patent Application executed on the even date 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 and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

唯一または第一発明者名	Full name of sole or first inventor Eiji IWASAKI		
発明者の署名	日付	Inventor's signature	Date
		Eiji Iwasaki	March 12, 2004
住所	Residence Osaka-shi, Japan		
国籍	Citizenship Japanese		
郵便の宛先	Post Office Address 9-17-1105, Shigino-nishi 4-chome, Joto-ku, Osaka-shi, Osaka 536-0014 Japan		

第二共同発明者	Full name of second joint inventor, if any		
第二共同発明者の署名	日付	Second inventor's signature	Date
住所	Residence		
国籍	Citizenship		
郵便の宛先	Post Office Address		

第三共同発明者	Full name of third joint inventor, if any		
第三共同発明者の署名	日付	Third inventor's signature	Date
住所	Residence		
国籍	Citizenship		
郵便の宛先	Post Office Address		

(第四またはそれ以降の共同発明者に対しても同様な情報および署名を提供すること。)

(Supply similar information and signature for fourth and subsequent joint inventors.)