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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<p>1. Name of conveying party(ies): Hiroyuki HORIBATA</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>EPSON IMAGING DEVICES CORPORATION</u></p> <p>Internal Address: _____</p> <p>Street Address: _____</p> <p>6925 Toyoshina Tazawa Azumino-Shi, Nagano 399-8285 JAPAN</p> <p>City: _____</p> <p>State: _____</p> <p>Country: _____ Zip: _____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s):</p> <p>Execution Date(s): <u>July 10, 2007</u></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) <u>11/863,002</u></p> <p>B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Barry E. Bretschneider</u> <u>MORRISON & FOERSTER LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: 606402041400</u></p> <p>Street Address: <u>1650 Tysons Blvd, Suite 400</u></p> <p>City: <u>McLean</u></p> <p>State: <u>VA</u> Zip: <u>22102</u></p> <p>Phone Number: <u>(703) 760-7743</u></p> <p>Fax Number: <u>(703) 760-7777</u></p> <p>Email Address: <u>BBretschneider@mofo.com</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>03-1952</u> Authorized User Name <u>Barry E. Bretschneider</u></p>
<p>9. Signature:</p> <p style="text-align: center;"> Signature</p> <p style="text-align: right;">October 1, 2007 Date</p> <p style="text-align: center;"><u>Barry E. Bretschneider - 28,055</u> Name of Person Signing</p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and documents: </p>	

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EPSON IMAGING DEVICES Ref. No.: A0001364U901

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横濱 浩行 は、

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Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Hiroyuki HORIBATA,

who have created a certain invention for which an application for United States Letters Patent

- executed by ME/US on even date herewith,
 executed by ME/US on _____ (respectively),
 filed on _____ and assigned Serial No. _____,
 filed as International Application No. _____ filed on _____

and entitled:

D/A CONVERTER AND LIQUID CRYSTAL DISPLAY DEVICE

Do hereby sell, assign and transfer to EPSON IMAGING DEVICES CORPORATION, a corporation of Japan, having a place of business at 6925 Toyoshina Tazawa, Azumino-Shi, Nagano Japan, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that EPSON IMAGING DEVICES CORPORATION, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

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上記を証明するため、私/私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or 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.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

唯一または第一発明者名 堀端 浩行		Full name of sole or first inventor Hiroyuki HORIBATA	
発明者の署名	日付	Inventor's signature	Date
堀端 浩行	2007年7月10日	Hiroyuki Horibata	July 10, 2007
第二共同発明者 (いる場合)		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
第三共同発明者 (いる場合)		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
第四共同発明者 (いる場合)		Full name of fourth joint inventor, if any	
第四共同発明者の署名	日付	Fourth inventor's signature	Date
第五共同発明者 (いる場合)		Full name of fifth joint inventor, if any	
第五共同発明者の署名	日付	Fifth inventor's signature	Date
第六共同発明者 (いる場合)		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付	Sixth inventor's signature	Date
第七共同発明者 (いる場合)		Full name of seventh joint inventor, if any	
第七共同発明者の署名	日付	Seventh inventor's signature	Date
第八共同発明者 (いる場合)		Full name of eighth joint inventor, if any	
第八共同発明者の署名	日付	Eighth inventor's signature	Date