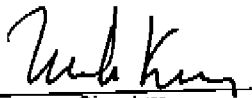


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1. Name of conveying party(ies): Masuyuki OTA Makoto TSUMURA, Masaaki KITAJIMA; Yasuyuki MISHIMA; Naofumi KAKEHI Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: Hitachi, Ltd. Street Address: 6-6, Marunouchi 1-chome Chiyoda-ku, Tokyo, Japan City: State: Zip: Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance/ Execution Date: Nov. 17, 1993; Nov. 17, 1993; Nov. 17, 1993; Nov. 17, 1993. <input checked="" type="checkbox"/> Assignment <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 . <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name	4. Application number(s) or patent number(s): A. Patent Application No.(s) Serial No. 08/816,891 (divisional application of Serial No.. 08/139,904) B. Patent Registration No.(s) <input type="checkbox"/> This document is being filed together with a new application. Additional number(s) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17TH STREET - SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com	6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41)..... \$40.00 <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information: a. Credit Card Last 4 numbers: 1156 Expiration date: 6/09 b. Deposit account number: 01-2135 Authorized User Name:	
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9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Melvin Kraus, Reg#22,466 <hr/> Name of Person Signing </div> <div style="width: 30%; text-align: center;">  <hr/> Signature </div> <div style="width: 30%; text-align: right;"> December 6, 2007 <hr/> Date </div> </div> <div style="text-align: center; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and document: 3 </div>		

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ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Hitachi, Ltd.
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101, Japan
 of its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

A MATRIX DISPLAY APPARATUS AND A DRIVING METHOD THEREOF

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, Serial No. 08/139,904 filed October 22, 1993, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd., its successors, assigns or other legal

representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.

- | | (Full Name) | (Signature) |
|--|-------------|-------------|
| 1) Date <u>November 17, 1993</u> Inventor <u>Masuyuki Ota</u> <u>Masuyuki Ota</u> | | |
| Residence <u>Same as Post Office Address</u> Citizenship <u>Japan</u> | | |
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| 2) Date <u>November 17, 1993</u> Inventor <u>Makoto Tsumura</u> <u>Makoto Tsumura</u> | | |
| Residence <u>Same as Post Office Address</u> Citizenship <u>Japan</u> | | |
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| 3) Date <u>November 17, 1993</u> Inventor <u>Masaaki Kitajima</u> <u>Masaaki Kitajima</u> | | |
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| Post Office Address <u>989-3, Isobe-cho, Hitachi Ota-shi, Ibaraki 313, Japan</u> | | |
| 4) Date <u>November 17, 1993</u> Inventor <u>Yasuyuki Mishima</u> <u>Yasuyuki Mishima</u> | | |
| Residence <u>Same as Post Office Address</u> Citizenship <u>Japan</u> | | |
| Post Office Address <u>301, Yuho-ryo, 20-3, Ayukawa-cho 6-chome, Hitachi-shi, Ibaraki 316, Japan</u> | | |
| 5) Date <u>November 17, 1993</u> Inventor <u>Naofumi Kakehi</u> <u>Naofumi Kakehi</u> | | |
| Residence <u>Same as Post Office Address</u> Citizenship <u>Japan</u> | | |
| Post Office Address <u>314, Yuho-ryo, 20-3, Ayukawa-cho 6-chome, Hitachi-shi, Ibaraki 316, Japan</u> | | |

Witness(es)

All) Kayoko Kitamura 2) _____ 4) _____

1) _____ 3) _____ 5) _____ **PATENT**