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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

<p>1. Name of conveying party(ies): Hiroshi Kageyama Yoshiro Mikami Hajime Akimoto</p> <p style="text-align: right; font-size: 1.5em; margin-right: 50px;">08/27/01</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____</p> <p>Execution Date: _____ July 19, 2001</p>	<p>2. Name and address of receiving party(ies) Name: <u>Hitachi, Ltd.</u> Internal Address: _____ Street Address: _____ 6, Kanda Surugadai 4-chome Chiyoda-ku Tokyo 101-8010</p> <p>City: <u>Tokyo</u> State: <u>Japan</u> Zip: <u>101-8010</u> Additional name(s) &amp; address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. Application number(s) or patent number(s): <u>09/938614</u> If this document is being filed together with a new application, the execution date of the new application is: _____ July 19, 2001</p> <p>A. Patent Application No.(s): _____ B. Patent No.(s): _____</p> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Mark J. Thronson</u> <u>DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP</u> Internal Address: <u>Atty. Dkt.: A8319.0004/P004</u> Street Address: <u>2101 L Street NW</u></p> <p>City: _____ State: <u>DC</u> Zip: <u>20037-1526</u> <u>Washington</u></p>	<p>6. Total number of applications and patents involved: _____ 1</p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u>  <input checked="" type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: _____ 04-1073 (Attach duplicate copy of this page if paying by deposit account)</p>
<p><b>DO NOT USE THIS SPACE</b></p>	
<p>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></p> <p style="text-align: center;"> <u>Mark J. Thronson (33,082)</u>      <u><i>MA J Thronson</i></u>      <u>August 27, 2001</u>  Name of Person Signing      Signature      Date </p> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and documents: _____ 2</p>	

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**PATENT**  
**REEL: 012117 FRAME: 0906**

E 6091-0197

# ASSIGNMENT

( 譲 渡 証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## DRIVE CIRCUIT AND IMAGE DISPLAY APPARATUS

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, executed on even date herewith, 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.

Signed on the date(s) indicated aside signatures:

### INVENTOR(S)

( 発 明 者 フ ル ネ ー ム サ イ ン )

### Date Signed

( 署 名 日 )

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