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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

103-	43503Attorney Docket No. 520.45554X00	
To the Director of the U.S. Pater add rademark Office: Please record the attached documents or the new address(es) below.		
1. Name of conveying party(ies) Masahiro OGINO Youichi IGARASHI Yoshinori TANAKA Additional name(s) of conveying participate and the ded? Yes No	2. Name and address of receiving party(ies) Hitachi Displays, Ltd., 3300 Hayano Mobara-shi, Chiba JAPAN	
Nature of conveyance/Execution Date(s):		
Execution Date(s) October 24, 2005; October 26, 2005 and October 26, 2005		
Assignment	Additional name(s) & address(es) attached? ☐ Yes ☒ No	
4. Application or patent numbers(s):	This document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent Registration No.(s)	
11/260,219		
Additional number(s) attached ☐ Yes ☒ No		
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved 1	
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17 TH STREET – SUITE 1800	7. Total fee (37 CFR 3.41)	
1900 NORTH IT STREET - SOITE 1000	8. Payment Information	
City: ARLINGTON State: VA Zip 22209 Phone Number: 703-312-6000 Fax Number: 703-312-6666 Email Address: email@antonelli.com	8. Payment Information a. Credit Card Last 4 Numbers 2097 Expiration Date 06/06 b. Deposit account number: 01-2135 Authorized User Name Gregory E. Montone	
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Paul J. Skwierawski, Reg#32,173 Name of Person Signing Dand full full full framework. 12/19/2005 Date		
Total number of pages including cover sheet, attachments, and document: 2		
	eet) should be faxed to (571) 273-0140, or mailed to: of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450	

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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 Displays, Ltd.,

a corporation organized under the laws of Japan,

located at 3300 Hayano, Mobara-shi, Chiba, Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Displays, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

IMAGE INTERPOLATION DEVICE AND A FRAME RATE CONVERTER AND IMAGE DISPLAY APPARATUS USING THE SAME

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 Displays, 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 Displays, Ltd.,

Signed on the date(s) indicated aside our signatures:

RECORDED: 12/19/2005

> PATENT REEL: 017377 FRAME: 0386