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12-06-1999

ket No.: 501.37891X00

U.S. DEPARTMENT OF
COMMERCE
Patent and Trademark Office

11/16/09/	Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trauchians. Flease 18	15615 ecord the attached original documents or copy thereof	
1. Name of conveying party(ies): Kouichi ANNO Hiroshi OKAWARA Masaaki MATSUDA Tetsuya KAWAMURA Takeshi TANAKA Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: October 15, 1999 4. Application number(s) or patent number(s):	2. Name and address of receiving party(ies): Name: Hitachi, Ltd. Street Address: 6, Kanda Surugadai 4-chome Chiyoda-ku City: Tokyo Country: JAPAN Additional name(s) & address(es) attached? Yes No	
If this document is being filed together with a new application A. Patent Application No.(s)	the execution date of the application is: October 15, 1999 B. Patent No.(s)	
Additional numbers		
5. 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	7. Total fee (37 CFR 3.41) \$40.00 Enclosed	
Internal Address:	Any deficiencies may be charged to deposit account Authorized to be charged to deposit account	
Street Address: 1300 North Seventænth Street Suite 1800 2/01/1999tscoontingtonoogs StatstodVA Zip: 22209	8. Deposit account number: 01-2135 (Attach duplicate copy of this page if paying by deposit account)	
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Melvin Kraus Name of Person Signing Attorney Registration No. 22,466 Total number of pages including cover sheet, a tachments, and document:		
OMB No. 0651-0011 (exp. 4/94)		

PATENT REEL: 010412 FRAME: 0451

ASSIGNMENT

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

LIQUID CRYSTAL DISPLAY DEVICE

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:

RECORDED: 11/18/1999

	INVENTOR(S)	Date Signed	Witnesses
1)	Kouichi anno	October 15, 1999	Gotoch Elimine
2)	Hiroshi Phawara	October 15, 1999	Gerochi Chimia
3)	Masaaki Matsuda	October 15, 1999	Good Gluma
4)	Tetsuja Kawamura	October 15, 1999	patrolin Colomora
5)	Takeshi Tanaka	October 15, 1999	Gatoch. Games
6)			
7)			
8)			
9)			
10)			

PATENT REEL: 010412 FRAME: 0452