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501.39982X00 Form PTO-1595	- 11 - 2002 U.S. DEPARTMENT OF COMMERCE
(Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)	U.S. Patent and Trademark Office
	2051235 original documents or copy thereof.
NEMOTO, SOUTA YOSHIDA, KAZUTOSHI UEHARA, MASAO HOSHINO, NOBORU NAKAMURA, YOSHIAKI FUJIEDA, MASAYOSHI HIRAGA, KOJI Additional name(s) of conveying party(ies) attached?  Yes  3. Nature of conveyance:  Assignment	Chiyoda-ku, Tokyo, Japan  Name 2: Hitachi Device Engineering Co., Ltd.  Street Address: 3681, Hayano, Mobara-shi, Chiba-ken 297-8581, Japan
Application number(s) or patent number(s):     If this document is being filed together with a new application.	Additional name(s) & address(es) attached? ☐ Yes⊠ No
U.S. Serial No. 09/828,210 filed April 9, 2001	ber(s) attached ☐ Yes ⊠ No
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved 1
Name: Antonelli, Terry, Stout & Kraus, LLP	7. Total fee (37 CFR 3.41)
Internal Address:	Authorized to be charged to deposit account
1300 North Seventeenth Street Suite 1800 Arlington, VA 22209	8. Deposit account number:
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To the Honorable Commissioner of Patents	and Frademarks: Ple	ase record the a	ttached original do	cuments or copy the set
Name of conveying party(ies):     Souta NEMOTO, Kazutoshi YOSHIDA, Ma Noboru HOSHINO, Yoshiaki NAKAMURA Masayoshi FUJIEDA		Name: Hit		ng party(ies):
Additional name(s) of conveying party(ies) attached?	Yes 🔀 No			
3. Nature of conveyance:  X Assignment	CAY	City:	Γokyo:	
Security Agreement Change of Name Other  Execution Date: March 26, and 27, 2001		Country: Japan		
		Additional name(s) & address(es) attached? ☑ Yes ☐ No		
4. Application number(s) or patent number(s)	):			
If this document is being filed together wit	h a new application,	the execution d	ate of the application	on is: March 26, and 27, 2001
A. Patent Application No.(s)		В. Ра	atent No.(s)	1828210
4/11/2001 MBELETE1 00000008 09828210 P FC:581 40.00 DP	Additional numbers atta	ched? Yes	No	
5. Name and address of party to whom corresconcerning document should be mailed:	spondence	6. Total numb	per of applications a	and patents involved: 1
Name: ANTONELLI, TERRY, STOUT &	& KRAUS, LLP	7. Total fee (3	37 CFR 3.41)	\$40.00
Internal Address:		Enclose Any de	ed ficiencies may be c ized to be charged	harged to deposit account to deposit account
Street Address: 1300 North Seventeenth Street Suite 1800		8. Deposit ac	ecount number: 01-	-2135
		(Attach duplicate copy of this page if paying by deposit account)		
City: Arlington State: VA Zip	: 22209	E THIS SPACE		
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9. Statement and signature.  To the best of my knowledge and be of the original document.  Melvin Kraus Name of Person Signing Attorney Registration No. 22,466 Total number of pages including cover sheet, attachm	nela kun	formation is true		ny attached copy is a true copy 9, 2001
OMB No. 0651-0011 (exp. 4/94)				

Name: Hitachi Device Engineering Co., Ltd.

Address: 3681, Hayano, Mobara-shi, Chiba-ken 297-8581, Japan

## ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., LTD., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 3681, Hayano, Mobara-shi, Chiba-ken 297-8581, Japan, respectively, receipt of which is hereby acknowledged, we, the below named inventor(s), do hereby sell and assign to said HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., LTD., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## LIQUID CRYSTAL DISPLAY DEVICE

RECORDED: 04/09/2002

invented by us 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., and HITACHI DEVICE ENGINEERING CO., LTD.,

their 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 us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said 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 we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and HITACHI DEVICE ENGINEERING CO., 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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7) _	Koji Hiraga	Mar. 27, 200/
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9) _		
10)		