FORM PTO-1595 (Modified) (Rev. 6-93)

Name of Person Signing



Docket No.: 49143(904)

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissione		077665 ▼ rks: Please record the attached origina	al documents or copy there	
1. Name of conveying party(ies): TOMOHIKO YAMAMOTO, K NAOTO INOUE, YUTAKA ISI	ŒIICHI TANAKA,	2. Name and address of receiving Name: SHARP KABUSHIKI	ng party(ies):	
		Address: 22-22 Nagaike-cho,	Abeno-ku	
Additional names(s) of conveying party(ies) 🔲 Yes 💹 No	Addio35	7.05 2.05 2.05 2.05	
3. Nature of conveyance:			20.5	
☑ Assignment	☐ Merger	:	ي ا	
☐ Security Agreement	☐ Change of Name	City: Osaka	State/Prov.:	
Other		Country: Japan	ZIP:	
Execution Date: May 20, 1999		Additional name(s) & address(es)	□ Yes ⊠ No	
. Application number(s) or regist	ration numbers(s):			
If this document is being filed to	ogether with a new applica	ition, the execution date of the applicat	tion is: May 20, 1999	
Patent Application No.	Filing date	B. Patent No.(s)		
, 	9	1	010	
		09/3305	04	
	Additional numb	pers 🔲 Yes 🔀 No		
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications a	6. Total number of applications and patents involved: 1	
3.1999 9pc0 David G. Conlin		7. Total fee (37 CFR 3.41):	\$ 40.00	
T. 544	00 00			
Address: Dike, Bronstein, Roberts & Cushman, LLP		credited or debited to dep	posit account	
130 Water Street		☐ Authorized to be charged	to deposit account	
		8. Deposit account number:		
City: Boston	State/Prov.: MA			
Country: USA	ZIP: 02109	04-1105		
,		NOT USE THIS SPACE		
Statement and signature.				
To the best of my knowledge a	and belief, the foregoing inf	ormation is true and correct and any a	ttached copy is a true copy	
of the original document.	A.	- 1 5. L =	T 44 4000	
David G. Conlin	100		June 11, 1999	

Signature

Total number of pages including cover sheet, attachments, and

PATENT REEL: 010044 FRAME: 0236

Date

ASSIGNMENT

We Tomohiko YAMAMOTO	
Keiichi TANAKA and Naoto INOUE	
	BUSHIKI KAISHA
, a Japar	nese corporation,
having its principal place of business in Osaka hereinafter called the Assignee, receipt of which is sell, assign and transfer unto the Assignee, its succeint, title and interest in, to and under an application United States Serial No. for Improvements in LIQUID CRYSTAL DISPLAY DE	ressors and assigns, the entire ation for Letters Patent of the* signed by us
including all priority rights ensuing therefrom, and therein set forth and described, and any and all lett and of countries foreign thereto which may be granted with the right to apply for such Letters Patent.	ers Patent of the United States
And for the above consideration we agree prompits successors or assigns, to execute and deliver witpower of attorney, assignment, application, whether correissue, or other papers which may be necessary or Assignee, its successors and assigns, the inventions application and all patent rights therein, in the Unforeign thereto.	original, divisional, continuation desirable fully to secure to the and any of them described in said
The undersigned hereby grant(s) the law firm Cushman the power to insert on this Assignmen which may be necessary or desirable in order to U.S. Patent and Trademark Office for recordation	t any further identification comply with the rules of the
IN WITNESS WHEREOF, I, Tomohiko YAMAMOTO hand and seal this 20th day of May	, hereunto set my , 1999, I, Keiichi
TANAKA , hereunto set my hand and set 19 99 and I, Naoto INOUE , this 20th day of May , 1999.	eal this <u>20th</u> day of <u>May</u> hereunto set my hand and seal
	Tomohiko YAMAMOFO
	keiichi TANAKA
	Nauto INCUE
	•
Commonwealth [State] ofss.	
Before me this day of, who is to me personal	, 19_, personally appeared lly known, and acknowledged
the foregoing instrument of assignment to be [her] hi	is free act and deed.
	Notary Public
Commonwealth [State] ofss.	
Before me this day of, who is to me personal: the foregoing instrument of assignment to be [her] his	, 19_, personally appeared ly known, and acknowledged
the foregoing instrument of assignment to be [her] hi	is free act and deed.
	Notary Public

*Where the application is assigned before it is filed, and hence has no Serial No., this shall be left blank.

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PATENT REEL: 010044 FRAME: 0237

ASSIGNMENT

We Yutaka ISHII	
and	<u> </u>
for good and valuable consideration from SHARP KAE	RISHIKI KATSHA
, a Japanes	
having its principal place of business in Osaka	Japan
having its principal place of business in Osaka, hereinafter called the Assignee, receipt of which is h	pereby acknowledged, do hereby
sell, assign and transfer unto the Assignee, its successions	essors and assigns, the entire
right, title and interest in, to and under an applicat	ion for letters Patent of the
United States Serial No. ,filed on	* signed by us
for Improvements in LIQUID CRYSTAL DISPLAY DEVICE	<u>.C</u>
including all priority rights ensuing therefrom, and therein set forth and described, and any and all lettered and of countries foreign thereto which may be granted with the right to apply for such letters Patent.	ers Patent of the United States
a z c . 1 . 1	"le upon mornost of the Assismed
And for the above consideration we agree prompt its successors or assigns, to execute and deliver with power of attorney, assignment, application, whether or or reissue, or other papers which may be necessary or Assignee, its successors and assigns, the inventions application and all patent rights therein, in the Uniforeign thereto.	nout further compensation any riginal, divisional, continuation desirable fully to secure to the and any of them described in said
The undersigned hereby grant(s) the law firm	of Dike, Bronstein, Roberts &
Cushman the power to insert on this Assignment	any further identification
which may be necessary or desirable in order to	comply with the rules of the
U.S. Patent and Trademark Office for recordation	of this document.
IN WITNESS WHEREOF, I, Yutaka ISHII	baraunta sat
hand and seal this 20th day of May	10 00 T
ima dia scar das 20di day or ray	
hereunto set my hand and cas	this day of
, hereunto set my hand and sea	al this day of
IN WITNESS WHEREOF, I, Yutaka ISHII hand and seal this 20th day of May , hereunto set my hand and sea 19 , and I, this day of 19	al this day of hereunto set my hand and seal
, hereunto set my hand and sea 19 , and I, this day of , 19 .	
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RECORDED: 06/11/1999

PATENT REEL: 010044 FRAME: 0238