Docket No.: YKI-0018 12-14-1999 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) R SHEET (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) LY Copyright 1994-97 Leg P08/REV02 101221799 Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Naoaki Komiya Name: Sanyo Electric Co., Ltd. Internal Address: 5-5, Keihan-Hondori 2-chome Moriguchi-shi ☐ Yes ☒ No Additional names(s) of conveying party(ies) Osaka, JAPAN Nature of conveyance: Merger Street Address: ☑ Assignment Change of Name ☐ Security Agreement City: _____ State: ___ ZIP: ____ Other Execution Date: November 9, 1999 4. Application number(s) or registration numbers(s): 09 1448580 this document is being filed together with a new application, the execution date of the application is: November 9, 1999 Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes X No lame and address of party to whom correspondence 6. Total number of applications and patents involved: oncerning document should be mailed: Name: Edward J. Ellis 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Cantor Colburn LLP ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account Street Address: 88 Day Hill Road 8. Deposit account number: 06-1130 City: Windsor State: CT ZIP: 06095 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a rue copy of the original document. Edward J. Ellis, Reg. No. 40,389 Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document

REEL: 010429 FRAME: 0060

ASSIGNMENT

WHEREAS, I/WE	Ocalei chi Cife I	
Naoaki KOMIYA , residing at _	ogaki-sni, Giru, Japan	_;
		_; and
, residing at _		_;
have invented certain new and usefu	ll improvements in:	
Title:ELECTROLUMINESCENCE D	DISPLAY APPARATUS FOR DISPLAYING GRAY SCALES	
for which I/WE have filed an applic	ation for Letters Patent of the United States;	
	ELECTRIC CO., LTD., a corporation organized and existing	under
5-5, Keihan-Hondori 2-ch	, having a place of business at ome, Moriguchi-shi, Osaka, Japan	
is desirous of acquiring an interest in	n the United States and all foreign countries, in and to the said invent	ion and
the Letters Patent to be obtained ther		
NOW THEREFORE, TO AL	LL WHOM IT MAY CONCERN, be it known that, for and in consider	leration
of one (\$1.00) dollar to me/us in han	d paid, and other good and valuable considerations, the receipt of all	lof
which is hereby acknowledged, I/We	e, the said Naoaki KOMIYA, and	
have sold, as	ssigned and transferred, and by these presents do sell, assign and tran	nsfer
unto said SANYO ELECTRIC CO., LI	D, the entire right, title and interest in and to said invention in the U	Jnited
States and in all foreign countries, in	cluding priority rights, as fully set forth and described in said applic	ation;
and I/We do hereby authorize and re	quest the Commissioner of Patents to issue said Letters Patent on sa	id
application and any and all Letters Pa	atent that may be issued upon any and all revivals, refilings, continu	ations,
continuation-in-part, divisions and re	eissues thereof, to the said SANYO ELECTRIC CO., LTD., as assignee	of the
	o the same, for the sole use and behoof of SANYO ELECTRIC CO., L	
successors and assigns; and I/We will	ll execute all papers necessary in connection with the United States	
	when called upon to do so by the saidSANYO ELECTRIC CO., LTD.	, its
successors or assigns, and that I/We	will, at the cost and expense of the saidSANYO ELECTRIC CO., LTD	• ,
	ers in connection with the United States and foreign applications and	
patents issuing thereon.		
	all statements made herein of their own knowledge are true and that	all
	belief are believed to be true; and further that these statements were	
	statements and the like so made are punishable by fine or imprisonn	
	of the United States Code and that such willful false statements may	
jeopardize the validity of the applicat		
Date: November 9, 1999	Naoaki KOMIYA L.S.	
Date:	L.S.	
Date:	L.S.	

RECORDED: 11/23/1999

PATENT REEL: 010429 FRAME: 0061