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To the Director of the United States Patent and Trademark	Office: Please record the attached original documents or copy thereof		
1. Name of conveying party(ies): Norio KOMA	2. Name and address of receiving party(ies):		
Kazuhiro INOUE	Name: Sanyo Electric Co., Ltd.		
Masashi MITSUI	Address: 5-5, Keihan-Hondori 2-chome, Moriguchi-shi		
Additional names(s) of conveying party(ies)			
3. Nature of conveyance:			
Assignment   Merger			
Security Agreement   Change of Name	City: Osaka State/Prov.:		
□ Other	Country: JAPAN ZIP:		
Execution Date: October 26, 2005			
	Additional name(s) & address(es)		
Additional numbe	ors □ Yes ⊠ No		
Additional numbe			
	Image: State		
5. Name and address of party to whom correspondence			
<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         7. Total fee (37 CFR 3.41):\$ 40.00		
<ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: Joel T. Charlton</li> </ul>	6. Total number of applications and patents involved:		
<ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: <u>Joel T. Charlton</u></li> <li>Registration No. <u>52,721</u></li> <li>Address: <u>Cantor Colburn LLP</u></li> <li>55 Griffin Road South</li> </ul>	<ul> <li>6. Total number of applications and patents involved: 1</li> <li>7. Total fee (37 CFR 3.41):\$ 40.00</li> <li>Enclosed - Any excess or insufficiency should be</li> </ul>		
<ul> <li>5. Name and address of party to whom correspondence concerning document should be mailed:</li> <li>Name: Joel T. Charlton</li> <li>Registration No. 52,721</li> <li>Address: Cantor Colburn LLP</li> <li>55 Griffin Road South</li> <li>12/06/2005 EC009ER 00000166 061130 11289068</li> </ul>	<ul> <li>6. Total number of applications and patents involved: 1</li> <li>7. Total fee (37 CFR 3.41):\$ 40.00</li> <li>Enclosed - Any excess or insufficiency should be credited or debited to deposit account</li> </ul>		
5. Name and address of party to whom correspondence concerning document should be mailed:         Name:       Joel T. Charlton         Registration No.       52,721         Address:       Cantor Colburn LLP         55 Griffin Road South       11289068         12/08/2005 ECOOPER       0000166         01 FC:8021       40.00 DA	<ul> <li>6. Total number of applications and patents involved: 1</li> <li>7. Total fee (37 CFR 3.41):\$ 40.00</li> <li>Enclosed - Any excess or insufficiency should be credited or debited to deposit account</li> <li>Authorized to be charged to deposit account</li> <li>8. Deposit account number:</li> </ul>		
5. Name and address of party to whom correspondence concerning document should be mailed:         Name:       Joel T. Charlton         Registration No.       52,721         Address:       Cantor Colburn LLP         55 Griffin Road South       2/08/2005 EC00PER 00000166 061130 11289068         1 FC:8021       40.00 DA         City:       Bloomfield	<ul> <li>6. Total number of applications and patents involved: 1</li> <li>7. Total fee (37 CFR 3.41):\$ 40.00</li> <li>Enclosed - Any excess or insufficiency should be credited or debited to deposit account</li> <li>Authorized to be charged to deposit account</li> <li>8. Deposit account number: 06-1130</li> </ul>		
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: Joel T. Charlton Registration No. 52,721 Address: Cantor Colburn LLP 55 Griffin Road South 27/08/2005 ECOUPER 00000166 061130 11289068 01 FC:8021 40.00 DA City: Bloomfield State/Prov.: CT Country: USA ZIP: 06002 DO P 9. Statement and signature. To the best of my knowledge and belief, the foregoing info of the original document. Joel T. Charlton Name of Person Signing	6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 3.41):\$ 40.00         □ Enclosed - Any excess or insufficiency should be credited or debited to deposit account         ⊠ Authorized to be charged to deposit account         8. Deposit account number:         06-1130         (Attach duplicate copy of this page if paying by deposit account)         NOT USE THIS SPACE         Ornation is true and correct and any attached copy is a true cop         Muthor         November 29, 2005         Signature		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Joel T. Charlton Registration No. 52,721 Address: Cantor Colburn LLP 55 Griffin Road South 22/08/2005 ECOUPER 00000166 061130 11289068 01 FC:8021 40.00 DA City: Bloomfield State/Prov.: CT Country: USA ZIP: 06002 DO F DO F DO Statement and signature. To the best of my knowledge and belief, the foregoing info of the original document. Joel T. Charlton Name of Person Signing Total number of pages including	6. Total number of applications and patents involved:       1         7. Total fee (37 CFR 3.41):\$ 40.00         □ Enclosed - Any excess or insufficiency should be credited or debited to deposit account         ☑ Authorized to be charged to deposit account         ⑧ Authorized to be charged to deposit account         8. Deposit account number:         06-1130         (Attach duplicate copy of this page if paying by deposit account)         NOT USE THIS SPACE         Ormation is true and correct and any attached copy is a true cop         Signature         2         Date		
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REEL: 017317 FRAME: 0687

## ASSIGNMENT

WHEREAS, DWE Norio KOMA	, residing at	Motosu-gun,	Gifu,	Japan	;
		Mizuho-shi.			; and
Masashi MITSUI	, residing at	Anpachi-gun,	Gifu,	Japan	 ;

have invented certain new and useful improvements in:

Title: LIQUID CRYSTAL DISPLAY DEVICE

for which I/WE have filed an application for Letters Patent of the United States;

AND WHERE	AS, <u>SANYO ELECTRIC CO., LTD.</u>	, a corporation organized and existing under
the laws of <u>Ja</u>	pan, having a place of b	usiness at

5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka, Japan\_\_\_\_

is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and the Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration of one (\$1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, I/We, the said <u>Norio KOMA</u>, <u>Kazuhiro INOUE</u> and <u>Masashi MITSUI</u> have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said <u>SANYO ELECTRIC CO.</u>, <u>LTD</u>, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said <u>SANYO ELECTRIC CO.</u>, <u>LTD</u>, its successors and assigns; and I/We will execute all papers necessary in connection with the United States applications and foreign applications when called upon to do so by the said <u>SANYO ELECTRIC CO.</u>, <u>LTD</u>, its successors or assigns, and that I/We will, at the cost and expense of the said <u>SANYO ELECTRIC CO.</u>, <u>LTD</u>., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: Oct. 26, 2005

Date: Oct. 26, 2005

Man Koma L.S. Hauhine moue L.S. Masashi Mitsui

Date: Oct. 26, 2005

Masashi MITSUI

PATENT REEL: 017317 FRAME: 0688

**RECORDED: 11/29/2005**