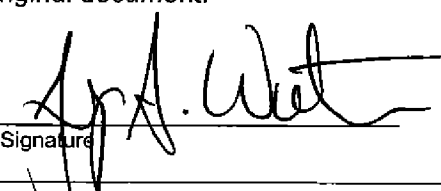


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Attorney Docket No.: 16359-006001
Client's Ref. No.: 721/SM/toh

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Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Hiroyuki Arai, Syuji Motegi, Takeshi Kimura and Tetsuya Tokunaga Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Sanyo Electric Co., Ltd. 2-5-5, Keihanhondori, Moriguchi-shi, Osaka, Japan Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 4/8/2004	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/808,589 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: GREGORY A. WALTERS Fish & Richardson P.C. 1425 K Street, N.W. 11th Floor Washington, DC 20005-3500	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
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9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Gregory A. Walters Reg. No. 41,366 Name of Person Signing  Signature JUNE 28, 2004 Date Total number of pages including coversheet, attachments and document: 4	

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I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

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ASSIGNMENT

For valuable consideration, we, Hiroyuki ARAI of Gunma, JAPAN, Syuji MOTEGI of Tochigi, JAPAN, Takeshi KIMURA of Tochigi, JAPAN and Tetsuya TOKUNAGA of Gunma, JAPAN hereby assign to: Sanyo Electric Co., Ltd., a corporation of Japan having a place of business at: 2-5-5, Keihanbondori, Moriguchi-shi, Osaka, Japan; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DRIVING CIRCUIT FOR VACUUM FLUORESCENT DISPLAY, filed 03/25/2004 and assigned U.S. Serial Number 0/808,589, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1-1, Sakata Oizumi-machi, Ota-gun, Gunma, Japan this 8th day of April, 2004.

Hiroyuki Arai

Hiroyuki ARAI

L.S.

WITNESSED BY:

NAME: Shigeharu KIKUCHI
PLEASE PRINT

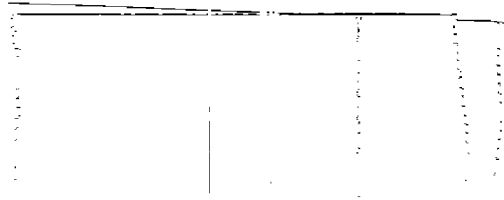
DATE: April 8, 2004

SIGNATURE: Shigeharu Kikuchi

NAME: Shigeo TANAKA
PLEASE PRINT

DATE: April 8, 2004

SIGNATURE: Shigeo Tanaka



IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1-1, Sakata Oizumi-machi,
Ora-gun, Gunma, Japan
this 8th day of April, 2004.

Syuji MOTEGI

L.S.

Syuji MOTEGI

WITNESSED BY:

NAME: Shigeharu KIKUCHI
PLEASE PRINT

DATE: April 8, 2004

SIGNATURE: Shigeharu Kikuchi

NAME: Shigeo TANAKA
PLEASE PRINT

DATE: April 8, 2004

SIGNATURE: Shigeo Tanaka

IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1-1, Sakata Oizumi-machi,
Ora-gun, Gunma, Japan
this 8th day of April, 2004.

Takeshi KIMURA

L.S.

Takeshi KIMURA

WITNESSED BY:

NAME: Shigeharu KIKUCHI
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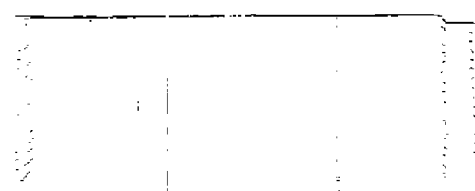
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IN WITNESS WHEREOF, I hereto set my hand and seal at 1-1-1, Sakata Oizumi-michi,
Ora-gun, Gunma, Japan
this 8th day of April, 2004.

Tetsuya Tokunaga

L.S.

Tetsuya TOKUNAGA

WITNESSED BY:

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