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Substitute Form PTO-1595  
Attorney Docket No.: 10449-072001  
Client's Ref. No.: P1S2003122US

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**PATENTS ONLY**

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Commissioner for Patents: Please record the attached original document.

1. Name of conveying parties: <b>Satoshi Noro and Shin-ichiro Tomisawa</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party: <b>Sanyo Electric Co., Ltd.</b> 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka, Japan	
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: <b>August 27, 2003</b>		Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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): <b>10/649,366</b> 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: <b>FRANK R. OCCHIUTI</b> Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804		6. Total number of applications/patents involved:	
		7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input 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.	
<b>DO NOT USE THIS SPACE</b>			
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>			
Frank R. Occhiuti <u>Reg. No. 35,306</u> Name of Person Signing		 Signature	<u>December 1, 2003</u> Date
Total number of pages including coversheet, attachments and document: 2			

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**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 1, 2003  
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Matthew G. Doherty  
Typed Name of Person Signing Certificate

**PATENT**  
**REEL: 014749 FRAME: 0308**

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

**SANYO ELECTRIC CO., LTD.**

(hereinafter referred to as "ASSIGNEE"), which has a business office at

5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

**ACCESS CIRCUIT**

(File No. \_\_\_\_\_) for which I (we) have executed an application for a United States Letters Patent on August 27, 2003.  
(Application Serial No. 10/649,366 filed on August 27, 2003.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) Satoshi NORO Date: August 27, 2003  
Name: Satoshi NORO

2) Shin-ichiro Tomisawa Date: August 27, 2003  
Name: Shin-ichiro TOMISAWA

Witness: Nobuhiko Ichiyaki Date: August 27, 2003

Witness: Yoshiyuki Nishida Date: August 27, 2003