04-02-2001

Substitute Form PTO-1595 Attorney Docket No.: 10417-067001 Client's Ref. No.: F51-129330M/HW

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		ument(s) or copy(ies).	
 Name of conveying par 		Name and address of receiving party(ies):	
Noriaki Sakamoto, Yoshiyuki Kobayashi, Junji Sakamoto, Shigeaki Mashimo, Katsumi Okawa, Eiju Maehara, Kouji Takahashi, Hirokazu Fukuda and Hiroki Etou		SANYO ELECTRIC CO., LTD. 5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan	
Additional na	ame(s) attached? ☐ Yes ເ No		
3. Nature of conveyance:			
☑ Assignment☐ Merger☐ Security Agreemen☐ Change of Name☐ Other:	ıt		
Execution Date: 03/0)7/2001	Additional names/addresses attached? ☐ Yes ☑ No	
4. Application number(s) of	or patent number(s):		
If this document is bei	ng filed with a new application, the executi	ion date of the application is: 03/07/2001	
A. Patent Application	No(s).:	B: Patent No(s).:	
	0 ddista		
5 Name/address of party	to whom correspondence concerning	attached? □ Yes ເ No	
document should be ma	ailed:	6. Total number of applications/patents involved: 1	
CHRIS T. MIZUMO Fish & Richardson I 45 Rockefeller Plaz		7. Total fee (37 CFR §3.41): \$40	
	aza, Suite 2800	☑ Enclosed ☐ Authorized to charge Deposit Account.	
New York, NY 10	11	8. Deposit Account No.: 06-1050	
		Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
	DO NOT US	SE THIS SPACE	
	e: To the best of my knowledge ar a true copy of the original docume	nd belief, the foregoing information is true and correcent.	
9. Statement and Signatur, any attached copy is			
any attached copy is Chris T. Mizumoto Reg. No. 42,899		March 1	
any attached copy is Chris T. Mizumoto Reg. No. 42,899	81gnature	Date March 1	
any attached copy is Chris T. Mizumoto Reg. No. 42,899		Date	
any attached copy is Chris T. Mizumoto		Date	
any attached copy is Chris T. Mizumoto Reg. No. 42,899 Name of Person Signing		Date otal number of pages including coversheet, attachments and documents and documents are documents.	

PATENT REEL: 011629 FRAME: 0746

FISH & RICHARDSON P.C. フィッシュ・アンド・リチャードソン法律事務所

Assignment 設定

ここにその受領と充足性が確認された善良で価値ある。 配慮の故に、文末に著名した者は、 For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s) over to:

SANYO ELECTRIC CO., LTD.

(住所)

(以下「旗腰人」と呼ぶ)と、その承離人および旗受人。 に対して、

(是明の名称)

弁護士英錄香号:

という名称で知られ、以下に署名した者が以下に記した日にアメリカ合衆国特許を申請した是明のアメリカ合衆国におけるすべての権利、権原および利権、ならびにその発明に対して行われるすべての特許申請とそれらによって符られる特許状ならびにそれらの分割、再申請、超級および延長を額度するものであり、さらにその類受人らまたは彼らの法的代理人に与えられたときに、当該特許状の全所有権をこの額減が行われなかった場合に額度人に当該特許状が与えられることにより額度人が受けたであろう期間の最後の日まで、完全無欠に侵けられるものとする。この喜状が、申請と同時に登録されない場合は、以下の認識情報が執行役に追加されるものとする。

Having the address:

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

(hereinafter designated as the "ASSIGNEE"), its succesors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted thereof, including said application, and all United States Letters Patents which may be granted thereof, and all divisions, reissues, continuations, and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its succesors, assigns, or their legal repreesentatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been enjoyed by assignor(s) if this assignment had not been made, the application being known by the title:

CIRCUIT DEVICE AND METHOD OF MANUFACTURING THE SAME
Attorney Docket no.:

for the which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

シリアル・ナンバー

显缺年月日:

Serial No.

Filing Date:

Page 1 of 3

PATENT REEL: 011629 FRAME: 0747

- 1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-nmaed application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwiese secure the title thereto to the ASSIGNEE.
- 2. 文末に署名した者は、工業所有権の保護に関する国際条約または同様な条約のクレームまたは条項に関連して必要となるすべての文書を署名、執行し、必要な行為を行うことに同意する。
- 2. The undersigned hereby agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.
- 3. 文末に著名した者は、質受人に有効な米国符許を取得させるために必要なすべての積極的な行為を実行することに同意する。
- 3. The undersigned hereby agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.
- 4. 文末に署名した者は、アメリカ合衆国の特許庁長官 に対して、当該特許申請またはそれに基づくすべての分割、 链続申請から生じるすべての特許状を当該領受人に発行 するように、議願する。
- 4. The undersigned hereby authorize(s) and request(s) teh Commissioner of Patents in the United States to issue any and all Letters Patents resulting from the said application or any division or divisions or continuing application thereof to the ASSIGNEE.
- 5. 文末に署名した者は、本状の登記に当りアメリカ合 衆国特許庁の規則に従って必要であり、望ましいような監 別情報をこの護波書に挿入する権利をフィッシュ・アン ド・リチャードソン法律事務所に委任するものとする。
- 5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this agreement any further identification which may be necessary or desirable in order to comply with the rules of the United States patent and Trademark Office for recordation of this document.

以上を確認のうえで、下記の者が下記の氏名に並んで記された日に各自、著名して本書を是効させるものである。

IN WITNESS THEREBY, executed by the undersigned on the date(s) opposite the undersigned Name(s)

		March 7, 2001	Noriaki Lakamoto
年月日	氏名(楷書):	Date	Typed Name Noriaki SAKAMOTO
		March 7, 2001	Yokiyuki Koboyaski Typed Name Yoshiyuki KOBAYASHI
年月日	氏名(楷書):	Date	Typed Name Yoshiyuki KOBAYASHI
		March 7, 2001	This soft
年月日	氏名(橫魯):	Date	Typed Name Junji SAKAMOTO
		March 7, 2001	- Stugaak marhime
年月日	氏名(楷藝):	Date	Typed Name Shigeaki MASHIMO
		March 7, 2001	- Katsami Okawa Typed Name Katsumi OKAWA
年月日	氏名(攜書):	Date	Typed Name Katsumi OKAWA
		March 7, 2001	Lejw Machan Typed Name Eiju MAEHARA
年月日	氏名(惜香):	Date	Typed Name Eiju MAEHARA
		March 7, 2001	Kaciji Takahashi
年月日	氏名(搭套):	Date	Typed Name Kouji TAKAHASHI
		March 7, 2001	Hirokazu Fukuda
年月日	氏名(推套):	Date	Typed Name Hirokazu FUKUDA
		March 7, 200]	Idiraki Etou
年月日	氏名(階幕):	Date	Typed Name Hiroki ETOU
	のうえで、下記の者が下記の氏名に並ん	- · · · · · · · · · · · · · · ·	may be signed before a U.S. notary
された日に各	自、著名して本書を是効させるもので、	ある。 rubic of before here:	e at least two witnesses who also sign
年月日	氏名(茂杏):	 Date	Typed Name
年月日	氏名(楷藝):	 Date	Typed Name

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RECORDED: 03/16/2001