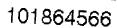
Substitute Form PTO-1595 Attorney Docket No.: 10417-100001 Client's Ref. No.: F51-136641M/TOM

SHEET



Commissioner for Patents: Please record the attached original document(s) or copy(ies).			
Name of conveying party(ies):	Name and address of receiving party(ies):		
Haruo Hyodo, Shigeo Kimura and Yasuhiro Takano Additional name(s) attached? □ Yes 図No	Sanyo Electric Co., Ltd. 5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka 570-8677		
3. Nature of conveyance:	Japan		
 ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: 			
Execution Date: 09/17/2001	Additional names/addresses attached? ☐ Yes ☒ No		
4. Application number(s) or patent number(s):			
If this document is being filed with a new application, the execution	n date of the application is: 09/17/2001		
A. Patent Application No(s).:	B: Patent No(s).:		
001/9/38/37			
	attached? □ Yes ☒ No		
Name/address of party to whom correspondence concerning document should be mailed:	6. Total number of applications/patents involved: 1		
CHRIS T. MIZUMOTO	7. Total fee (37 CFR §3.41): \$40		
Fish & Richardson P.C. 45 Rockefeller Plaza, Suite 2800	☑ Enclosed		
New York, New York10111	☐ 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.		
DO NOT US	E THIS SPACE		
9. Statement and Signature: To the best of my knowledge and any attached copy is a true copy of the original documen		nd	
Chris T. Mizumoto Reg. No. 42,899 Name of Person Signing	September 26, 2	2001	
Tot	al number of pages including coversheet, attachments and documen	nt: 4	
30067301.doc			
_			

September 26, 2001 Date of Deposit

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

00000252 09963839 CERTIFICATE OF MAILING BY EXPRESS MAIL

40.00 OP

10/02/2001 DBYRNE

01 FC:581

PATENT

REEL: 012209 FRAME: 0663

Express Mail Label No. <u>EF045065885US</u>

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 譲渡

ここにその受領と充足性が確認された番良で価値ある 配慮の故に、文末に署名した者は、

undersigned hereby assign(s) over to:
SANYO ELECTRIC CO., LTD.

(住所)

(以下「譲渡人」と呼ぶ)と、その承継人および譲受人。 に対して、

(発明の名称)

弁護士要録番号:

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発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得られる特許状ならびにそれらの分割、再申請、継続おび延長を譲渡するものであり、さらにその領援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譲渡が行われなかった場合に譲渡人に当該特許状が与えられることにより譲渡人が受けたであろう期間の最後の日まで、完全無欠に投けられるものとする。この各状が、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後に追加されるものとする。

シリアル・ナンバー

登録年月日:

Serial No.

Filing Date:

Having the address:

5-5, Keihanhondori 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 representatives, 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:

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the

SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF 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:

Page 1 of 3

PATENT REEL: 012209 FRAME: 0664

- 1. 文末に署名した者は、上記の申請、またはその継続出顧、一部継続出顧、さしかえ出願、分割出願、更新出願、再審査出願、または再発行出顧、またはあらゆる修正、抵触審査手続の延長、又はその他権原を譲受人が確保するために必要なあらゆる文書を署名、執行することに同意する。
- 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、工業所有權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. 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議受人に発行 するように、請願する。
- 4. The undersigned hereby authorize(s) and request(s) teh Commisioner 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、望ましいような識別情報をこの講演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、署名して本書を発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)

	Sept	ember 17, 2001	Typed Name Harvo HYODO	
年月日	氏名(楷書):	Date	Typed Name Haruo HYODO	
_	Septo	ember 17, 2001	Typed Name Shigeo KIMURA	
年月日	氏名(楷書):	Date	Typed Name Shigeo KIMURA	
	Sept	ember 17, 200	Yasuhiro TAKANO	
年月日	氏名(橫書):	Date	Typed Name Yasuhiro TAKANO	
年月日	氏名(楷書):	Date	Typed Name	
年月日	氏名(楷書):	Date	Typed Name	
年月日	氏名(楷書):	Date	Typed Name	
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、署名して本書を発効させるものである。		This assignment may be signed before a U.S. notary Public or before at least two witnesses who also sign		
		here:		
年月日	氏名(描書):	Date	Typed Name	
		Date	Typeu Hame	
年月日	氏名(浩喜):	Date	Typed Name	

Page 3 of 3

RECORDED: 09/26/2001

PATENT REEL: 012209 FRAME: 0666