03-29-2005

Substitute Form PTO-1595 Attorney Docket No.: 18151-008001 Client's Ref. No.: SA-70199US

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	Name of conveying party(ies):	Name and address of receiving party(ies):							
	Ryosuke Usui, Atsuhiro Nishida, Hideki Mizuhara and Takeshi Nakamura	Sanyo Electric Co., Ltd. 5-5, Keihan-Hondori 2-chome,	PTO 5						
	Additional name(s) attached? ☐ Yes 图 No	Moriguchi-shi, Osaka 570-8677 Japan							
	3. Nature of conveyance:								
	☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other:	oapen .	112963						
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	Application number(s) or patent number(s):								
	If this document is being filed with a new application, the execution date of the application is: 02/15/2005								
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	Name/address of party to whom correspondence concerning document should be mailed:	6. Total number of applications/patents involved: 1							
	SAMUEL BORODACH	7. Total fee (37 CFR §3.41): \$40							
	Fish & Richardson P.C. Citigroup Center 52nd Floor 153 East 53rd Street New York, New York 10022-4611	☑ Enclosed ☐ Authorized to charge Deposit Account.							
		8. Deposit Account No.: 06-1050							
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9. Statement and Signature: 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. Samuel Borodach Reg. No. 38,388 Name of Person Signing Total number of pages including coversheet, attachments and document: 4

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PATENT REEL: 016394 FRAME: 0807

FISH & RICHARDSON P.C.

Assignment

譲渡

慮の故に、文末に署名した者は、

Sanyo Electric Co., Ltd.

住所

Having the address:

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

(hereinafter designed as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all

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and all divisions, reissues, continuations, and extensions thereof, the said interesting being the entire ownership of said Letters Patent when granted to be held by said

ASSIGNEE, its successors, 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

(以下「譲渡人」と呼ぶ)と、その継承人および譲受人に

(発明の名称)

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Serial No .:

known by the title:

Attorney Docket No.: 18151 - 00 9 001

SEMICONDUCTOR APPARATUS

for 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:

登録年月日:

Filing Date:

~ Fish & Richardson P.C.

Page 1 of 3

Assignment

- 1. 文末に署名した者は上記の申請、またはその継続出願、一部継続出願、さしかえ出願、分割出願、更新出願、再審査出願、または再発行出願、またはあらゆる修正、抵触審査手続きの延長、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-named 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 or interference proceedings, or otherwise 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又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に文書を署名、執行し、必要な行為を行うことに同意する。
- 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. 文末に署名した者は譲受人に有効な米国特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。
- 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、継続申請から生じるすべての特許状を当該譲受人に 発行するように、請願する。
- 4. The undersigned hereby authorize(s) and request(s) the 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したがって必要であり、望ましいような特別情報をこの譲渡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.

~ Fish & Richardson P.C

Assignment

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年月日	日井・良輔	Feb. 15,2005	Ryosuke Usui				
7 714	LI/1 K#0		Otsuhiro Nishida				
年月日	西田 篤弘	Tout. 15 2005 Date	Atsuhiro Nishida				
年月日	水原 秀樹	Feb. 15 2005 Date	Hicleki Mizuhara Hideki Mizuhara				
年月日	中村 岳史	Feb. 15.2005 Date	Takeshi Nakamura				
	`						
この譲渡書は同じくこ 低2名の証人の前で署名も	こに署名するアメリカ公証人または場 されてもよい。	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(楷書):	Date	Typed Name				
年月日	氏名(楷書):	Date	Typed Name				
~ Fish & Richardson P.C							
Page 3 of 3							

PATENT REEL: 016394 FRAME: 0810

RECORDED: 03/16/2005