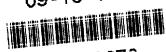
7-9-98
To the Honorable Commissioner of Pa



100828678

__hed original documents or copy thereof.

100-	
Name of conveying party(ies):	2. Name and address of receiving party(ies)
SOGABE, Yasushi; ISHIZU, Fumio; MURAKAMI, Keishi	Name: MITSUBISHI DENKI KABUSHIKI KAISHA
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance:	Internal Address: Street Address: 2-3, Marunouchi 2-chome, Chiyoda-ku,
	City: TOKYO State: ZIP:
☐ Security Agreement ☐ Change of Name	Country: JAPAN Postal Code: 100-8310
Other: Execution Date: August 28, 1998	Additional name(s) & address(es) attached? Yes No
Application number(s) or patent number(s): New	
If this document is being filed together with a new application, the execu	ntion date of the application is: August 28, 1998
A. Patent Application No(s).	B. Patent No.(s)
Additional numbers attac	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	⊠ Enclosed
Internal Address:	Authorized to be charged to deposit account 8. Deposit account number: 02-2448
Street Address: P.O. BOX 747	
71998 BALEXAND 0000006 09150011 City: FALLS CHURCH State: VA ZIP: 22040-0747 2561 40.00 CP	(Attach triplicate copy of this page if paying by deposit account)
Country: USA	
	THIS SPACE
Statement and signature.	
To the best of my knowledge and belief, the foregoing inform original document	ation is true and correct and any attached copy is a true copy of the
John A. CASTELLANO/#35,094 Name of Person Signing/Reg. No.	Sept. 9, 1998 Signature Date
Total number of pages including cover	r sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

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Washington, DC 20231

PATENT REEL: 9441 FRAME: 0152

BIRCH, STEWART, KOLASCH & BIRCH United States Patent Rights

ATTORNEY D	OCKET NO.		
	64	9-656P	

ASSIGNMENT

	Serial No. New Filed Sept. 9, 199					
	WHEREAS, Yasushi SOGABE, Fumio ISHIZU & Keishi MURAKAMI					
	of Tokyo, Japan					
nsert Name(s) of Inventor(s)						
nsert Title	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in					
f Invention	DEMODULATOR, CLOCK RECOVERY CIRCUIT, DEMODULATION METHOD					
	AND CLOCK RECOVERY METHOD					
	for which an application for Letters Patent of the United States of America has been executed by the undersigned					
nsert Date of Signing of	on August 28, 1998 ; and					
Application	WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA					
nsert Name of Assignee						
nsert Address of Assignee	of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN					
	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;					
	NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be					

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

granted.

PATENT REEL: 9441 FRAME: 0153 The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U. S. Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

1/

Date Aug.				Yasusł	ni SOGAVE	(signatu		ke	_(SEAL)
Date Aug.	28,	1998	Name of	Inventor_ Fumio	Fumio ISHIZU	Ish (signatu	izu re)		_(SEAL)
Date Aug.	28,	1998	Name of	Inventor_ Keishi	Kershi i MURAKAMI	Mun (signatu	Lahar re)	n S	_(SEAL)
									_(SEAL)
Date			Name of	Inventor		(signatu	re)		_(SEAL)
	_	_	-		ledged before a Unitnessed by at lea			r Notary Public. If not, who sign here.)	,
		Witness							-
		Witness						<u> </u>	

RECORDED: 09/09/1998

PATENT REEL: 9441 FRAME: 0154