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PATENT

REEL: 9608 FRAME: 0608

Attorney's Docket No	в-3564	616815-7	PATENT	
		For: ☐ U.S. and For: ☑ U.S. App For: ☐ PCT App	Vor ☐ Foreign Rights blication or ☐ U.S. Patent blication (s) or ☐ Present Owner	
A	SSIGNME	NT OF INVENT	ON	
			SNOR of the sum of One Dollar d for other good and valuable	
ASSIGNOR:			•	
(inventor(s) or person(s) or		<u> Junichi HA</u>		_
entity(ies) who own the invention)		(type or print nam	e(s) of ASSIGNOR(S))	
invention)		c/o Pioneer	Electronic Corporation,	Tokorozawa
			ks. No. 2610 Hanazono 4 shi, Saitama-ken, Japan	•
		Japan		_
		(Nationality)		
		to whom invention d in PTO, add the	was previously assigned and following)	
Recorded on	g			
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Frame				
hereby sells, assigns and to	ransfers to			
,		PIONEER ELI	ECTRONIC CORPORATION	
ASSIGNEE:			me(s) of ASSIGNOR(S))	
·		No. 4-1 Med	quro 1-chome, Meguro-ku,	
-		(Address)		
		Tokyo-to,	Japan	
•				
		(Nationality)		
and the successors, assign	ns and legal	representatives of	the ASSIGNEE	

(Assignment of Invention [16-3]—page 1 of 3)

PATENT REEL: 9608 FRAME: 0609

(complete one of the following)

•	22	the entire right, title and interest
		an undivided percent (%) interest
for th	e Ur	nited States and its territorial possessions
		(check the following box if foreign rights are also to be assigned)
	=	and in all foreign countries, including all rights to claim priority,
in and	d to	any and all improvements which are disclosed in the invention entitled: ON OF TRACKING-ERROR SIGNAL FOR INFORMATION REPRODUCING SYSTEM
		(check and complete (a), (b), (c) or (d))
and w	vhict	is found in
(a)	X	U.S. patent application executed on even date herewith
(b)	=	U.S. patent application executed on
·		To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney, as named in the Declaration and Power of Attorney I executed for this invention on the execution date stated above, to insert below the filing date and application number when it becomes known.
(c)	=	U.S. application serial no. 0 / filed on
(d)	_	International application no. PCT//
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and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

(Assignment of Invention [16-3]—page 2 of 3)

PATENT REEL: 9608 FRAME: 0610

18th	1	day of	Nover	ber, 19	98 (Date of signing).
VAMP	IINO:	Date o	f signing n	nust be the s	ame as the date of execution of the application if item (a) was check
					Signature of ASSIGNORIS)
\SSI	GNC	PRisa	legal er	ntity comp	plete the following information
ASSI	GNC	PRisa	legal er	ntity comp	(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)
ASSI	GNC	PRisa	legal er	ntity comp	(type or print the name of the above person
	No	witnessir	ig. not u rz	abon or legi	(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)

(Assignment of Invention [16-3]—page 3 of 3)

PATENT REEL: 9608 FRAME: 0611