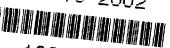
08-16-2002



Docket No.: PU01-02004

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	s: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): 1) Jun Honda	Name and address of receiving party(ies):			
2) Tsutomu Kawamoto $8.9.02$	Name: Pioneer Corporation			
0 •	Address: 4-1, Meguro 1-chome, Meguro-ku			
Additional names(s) of conveying party(ies)				
3. Nature of conveyance:				
☐ Security Agreement ☐ Change of Name	City: Tokyo State/Prov.:			
□ Other	Country: JAPAN ZIP:			
Execution Date: 1) 07/29/02; 2) 07/25/02	Additional name(s) & address(es)			
A Application number(s) or natest numbers(s):				
Application number(s) or patent numbers(s):If this document is being filed together with a new application	on the execution data of the application is:			
	1,511=210=1,00			
Patent Application No. Filing date	B. Patent No.(s)			
10/146,131 May 16, 2002				
Additional numbers	s Yes No			
Name and address of party to whom correspondence				
concerning document should be mailed:	Total number of applications and patents involved: 1			
Name: Sean M. McGinn	7. Total fee (37 CFR 3.41):\$ 40.00			
Registration No. 34,386	☐ Enclosed - Any excess or insufficiency should be			
Address: McGinn & Gibb, PLLC	credited or debited to deposit account			
8321 Old Courthouse Road	☐ Authorized to be charged to deposit account			
Suite 200	8. Deposit account number:			
City: Vienna State/Prov.: VA	50-0481			
Country: USA ZIP: 22182-3817	(Attach duplicate copy of this page if paying by deposit account)			
9. Statement and signature.	T USE THIS SPACE			
To the best of my knowledge and belief, the foregoing inform	mation is true and correct and any attached copy is a true copy			
of the original document.	rick (August 9, 2002			
Name of Person Signing Total number of pages including	Signatu ré Date og cover sheet, attachments, and			
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	ton, D.C. 20231			

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PATENT

REEL: 013187 FRAME: 0465

ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree to assign, and hereby do assign, transfer, and set over to:

Pioneer Corporation

having the address:

4-1, Meguro 1-chome, Meguro-ku, Tokyo, Japan

(hereinafter designated as the "ASSIGNEE") the entire right, title, and interest for the United States and all foreign countries (including protection in foreign countries via the Patent Cooperation Treaty), in the invention, and all applications for patent and any Letters Patent which may be granted therefor, the application being known by the Title:

D-CLASS POWER AMPLIFIER WITH ELECTRIC POWER REGENERATION FUNCTION

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed	on	May	16,	2002	
serial	No	10,	146	,131 _	

- 1. The undersigned agree to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.
- 2. The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the ASSIGNEE in every way possible in obtaining evidence and going forward with such interference.
- 3. The undersigned agree 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 or similar agreements.
- 4. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

Page 1 of 2

5. The undersigned hereby authorize and request the commissioner of Patents in the Unite States and the appropriate national or regional authority in each foreign country to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE, as ASSIGNEE of the entire interest, and hereby covenants that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.

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

The undersigned hereby authorize the firm of

McGinn & Gibb, PLLC at the address of 8321 Old Courthouse Road, Suite 200, Vienna, Virginia 22182-3817, U.S.A.

to insert hereon any further identification necessary or desirable for recordation of this document.

7/29/02 Date

Typed Name: Jun HON

July 25. 2002

Ƴ Da⁄te

Typed Name: Tsutomu KAWAMOTO

Tsutomu Lawamete