501846405 03/08/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mizuki TOMONO	01/30/2012

RECEIVING PARTY DATA

Name:	PIONEER CORPORATION
Street Address:	1-1, Shin-ogura, Saiwai-ku
City:	Kawasaki-shi, Kanagawa
State/Country:	JAPAN
Postal Code:	212-0031

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29415195

CORRESPONDENCE DATA

 Fax Number:
 (202)204-0289

 Phone:
 202-842-8800

Email: dcpatentfiling@dbr.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: DRINKER BIDDLE & REATH (DC)

Address Line 1: 1500 K STREET, N.W.

Address Line 2: SUITE 1100

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005-1209

ATTORNEY DOCKET NUMBER: 047031-5090

NAME OF SUBMITTER: Peter J. Sistare

Total Attachments: 1

source=047031_5090_assignment#page1.tif

PATENT REEL: 027828 FRAME: 0274 OP \$40.00 29415195

ATTORNEY DOCKET NO.:

SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

for which I/WE executed an application for Un	h tuner and amplifier ited States Letters Patent conc	for autom	obile with or filed an
application for United States Letters Patent on			
WHEREAS, PIONEER CORPORA post office address is 1-1, Shin-ogura, Sai Japan , (hereinafter referred to as and interest in and to this invention, the applica the Letters Patent to issue upon this application	wai-ku, Kawasaki-shi, Kanag Assignee), is desirous of secu tion for United States Letters	awa, 212-003 ring the entire	<u>1,</u> e right, title,
NOW THEREFORE, be it known that, from assignee is hereby acknowledged, I/WE, a and do hereby sell, assign, transfer, and set over MY/OUR entire right, title, and interest in and to continuations thereof, and all Letters Patent of the reissues thereof; and I/WE hereby authorize and the United States to issue all Letters Patent for the accordance with the terms of this Assignment;	is assignor(s), have sold, assigner unto the assignee, its lawful to this invention and this applitude the United States which may be request the Commissioner of	med, transferresuccessors and cation, and alloe granted theref Patents and 5	ed, and set over, d assigns, l divisions, and reon, and all Frademarks of
AND, I/WE HEREBY further covenant communicate with assignee, its successors and a invention and testify in any legal proceeding, si and deliver all papers that may be necessary or assignee, its successors and assigns, execute all all rightful oaths and generally do everything pound enforce proper patent protection for this invexpense incident to the execution of such paper	assigns, any facts known to M gn all lawful papers when call desirable to perfect the title to divisional, continuation, and a assible to aid assignee, its sucception in the United States, it	E/US respectived upon to do this inventior reissue applicates and as being underst	ing this o so, execute o in said ations, make signs, to obtain tood that any
AND, I/WE HEREBY authorize and re and Power of Attorney in this application, to ins 08 MAR 2012 the filing date and application nu IN TESTIMONY WHEREOF, I/WE has	ert here in parenthesis (Appli- imber of said application when	cation No. 2	in the Declaration 9/415, 195, filed
	Assignor's Signature / Tow	าอเทอ	Date January 30,201
Address c/o PIONEER CORPORATION, 1-1 Kawasaki-shi, Kanagawa, 212-0031, Japan			Citizenship Japan
Full Name of Second Assignor	Assignor's Signature	I	Date
		(Citizenship
Names of additional inventors attached Yes	⊠No		

RECORDED: 03/08/2012

PATENT REEL: 027828 FRAME: 0275