

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Akihiro ISEKI</td> <td>03/05/2013</td> </tr> <tr> <td>Yoshiki OHTA</td> <td>03/05/2013</td> </tr> <tr> <td>Hiroyuki ISHIHARA</td> <td>03/05/2013</td> </tr> <tr> <td>Yoshitomo IMANISHI</td> <td>03/05/2013</td> </tr> <tr> <td>Shinichi KIKUCHI</td> <td>03/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Akihiro ISEKI	03/05/2013	Yoshiki OHTA	03/05/2013	Hiroyuki ISHIHARA	03/05/2013	Yoshitomo IMANISHI	03/05/2013	Shinichi KIKUCHI	03/05/2013
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<table border="1"> <tr> <td>Name:</td> <td>PIONEER CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi</td> </tr> <tr> <td>City:</td> <td>KANAGAWA</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>212-0031</td> </tr> </table>		Name:	PIONEER CORPORATION	Street Address:	1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi	City:	KANAGAWA	State/Country:	JAPAN	Postal Code:	212-0031		
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CORRESPONDENCE DATA													
<p>Fax Number: 7036850573 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7035212297</p> <p>Email: ldonofrio@young-thompson.com</p> <p>Correspondent Name: YOUNG & THOMPSON</p> <p>Address Line 1: 209 Madison Street</p> <p>Address Line 2: Suite 500</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	8048-1494												
NAME OF SUBMITTER:	Benoit Castel												
<p>Total Attachments: 1 source=ASSMT#page1.tif</p>													

OP \$40.00 13822855

Deed of Assignment (Before Patent)

* ASSIGNMENT

WHEREAS, Akihiro ISEKI of Kawasaki, Japan,
 Yoshiki OHTA of Sakado, Japan, Hiroyuki ISHIHARA of Tokyo, Japan
 Yoshitomo IMANISHI of Fujimi, Japan and Shinichi KIKUCHI of Saitama, Japan

have invented certain new and useful improvements in _____
 SURROUND SIGNAL GENERATING DEVICE, SURROUND SIGNAL GENERATING METHOD,
 AND SURROUND SIGNAL GENERATING PROGRAM
 for which _____ application for Letters
 (I/we have made—or am/are about to make)

Patent of the United States of America;

AND WHEREAS, PIONEER CORPORATION of 1-1, Shin-ogura, Saiwai-ku,
 Kawasaki-shi, Kanagawa 212-0031 Japan

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the
 United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of

_____ Dollars (\$_____)

to _____ in hand paid, the receipt of which is hereby acknowledged _____
 have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said

* _____ right, title, and interest in and to the said invention,
 as fully set forth and described in the:

Delete
 inapplicable
 wording

(a) specification prepared and executed by _____ on the 5th day of March, 2013

(b) application filed on March 13, 2013, application Serial No.13/822,855

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be
 held and enjoyed by the said _____
 for _____ own use and behoof, and for _____ legal representatives, to the full end of the term
 for which said Letters Patent are granted, as fully and entirely as the same would have been held by
 _____ had this assignment and sale not been made.

IN TESTIMONY WHEREOF, _____ hereunto set _____ hand _____ and affix _____ seal _____ at
 _____ this 5th day of March, A.D., 2013

AKIHIRO ISEKI

(Inventor's full Signature) Akihiro ISEKI

Hiroyuki Ishihara

Hiroyuki ISHIHARA

Shinichi KIKUCHI

Shinichi KIKUCHI

Yoshiki Ohta

(Inventor's full Signature) Yoshiki OHTA

Yoshitomo IMANISHI

Yoshitomo IMANISHI

* State whether the full and exclusive right, or what part of the whole interest is assigned.

PATENT

RECORDED: 03/13/2013

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