

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Teruaki KAIYA		02/24/2009
Daisuke ITOH		02/24/2009
Kenta FUJIMOTO		02/24/2009
RECEIVING PARTY DATA		
Name:	Pioneer Corporation	
Street Address:	4-1, Meguro 1-chome	
City:	Meguro-ku, Tokyo	
State/Country:	JAPAN	
Postal Code:	153-8654	
Name:	Tohoku Pioneer Corporation	
Street Address:	1105, Aza Nikkoh, Oaza Kunomoto	
City:	Tendo-shi, Yamagata	
State/Country:	JAPAN	
Postal Code:	994-8585	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12440982	
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**PATENT**  
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NAME OF SUBMITTER:

Darryl Mexic

Total Attachments: 1

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## Assignment

Whereas, I/We, (1) TERUAKI KAIYA, (2) DAISUKE ITOH and (3) KENTA FUJIMOTO, all of c/o Tohoku Pioneer Corporation, 1105, Aza Nikkoh, Oaza Kunomoto, Tendo-shi, Yamagata 994-8585, Japan hereinafter called assignor(s), have invented certain improvements in

### SPEAKER

and executed an application for Letters Patent of the United States of America therefor on February 24, 2009 ; and

Whereas, (1) Pioneer Corporation  
4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan  
(2) Tohoku Pioneer Corporation  
1105, Aza Nikkoh, Oaza Kunomoto, Tendo-shi,  
Yamagata 994-8585, Japan

(assignees), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignees, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignees, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignees in connection with the United States application when called upon to do so by the assignees.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 12440982 and Confirmation number 8213 , filed March 12, 2009 ) the application number and filing date of said application when known.

Date: Feb. 24, 2009 TERUAKI KAIYA  
s/ TERUAKI KAIYA

Date: Feb. 24, 2009 DAISUKE ITOH  
s/ DAISUKE ITOH

Date: Feb. 24, 2009 KENTA FUJIMOTO  
s/ KENTA FUJIMOTO