

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Hideaki SUGANUMA	04/28/2010
Mamoru KURAISHI	04/28/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOYOTA JIDOSHA KABUSHIKI KAISHA
<b>Street Address:</b>	1, Toyota-cho
<b>City:</b>	Toyota-shi, Aichi-ken
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	471-8571
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12918332
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	202-293-7060
<b>Email:</b>	USPTO@SUGHRUE.COM
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC
<b>Address Line 1:</b>	2100 PENNSYLVANIA AVENUE, N.W.
<b>Address Line 2:</b>	SUITE 800
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20037
<b>ATTORNEY DOCKET NUMBER:</b>	Q118630
<b>NAME OF SUBMITTER:</b>	William H. Mandir
<b>Total Attachments: 1</b> source=Q118630_Assignment#page1.tif	

CH \$40.00 12918332

501266368

**PATENT**  
**REEL: 024857 FRAME: 0811**

## Assignment

Whereas, I/We, Hideaki SUGANUMA and Mamoru KURAISHI of Yokohama-shi, Kanagawa-ken, Japan and Ome-shi, Tokyo, Japan hereinafter called assignor(s), have invented certain improvements in

**GRADIENT INFORMATION CALCULATING SYSTEM, VEHICLE RUNNING CONTROL SYSTEM, NAVIGATION SYSTEM, AND GRADIENT INFORMATION CALCULATING METHOD**

and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; and

Whereas, TOYOTA JIDOSHA KABUSHIKI KAISHA (assignee), 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 assignee, 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 assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

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 \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date: April 28, 2010 Hideaki Suganuma  
s/ Hideaki SUGANUMA

Date: April 28, 2010 Mamoru Kuraishi  
s/ Mamoru KURAISHI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)