

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>Tatsuya SHIRAISHI</td> <td>11/15/2011</td> </tr> <tr> <td>Takeshi NANAMI</td> <td>11/15/2011</td> </tr> <tr> <td>Naohide UCHIDA</td> <td>11/15/2011</td> </tr> <tr> <td>Hiroki GOTO</td> <td>11/15/2011</td> </tr> <tr> <td>Masakazu NISHIJIMA</td> <td>11/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuya SHIRAISHI	11/15/2011	Takeshi NANAMI	11/15/2011	Naohide UCHIDA	11/15/2011	Hiroki GOTO	11/15/2011	Masakazu NISHIJIMA	11/15/2011
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<table border="1"> <tr> <td>Name:</td> <td>TOYOTA JIDOSHA KABUSHIKI KAISHA</td> </tr> <tr> <td>Street Address:</td> <td>1, Toyota-cho</td> </tr> <tr> <td>City:</td> <td>Toyota-shi, Aichi-ken</td> </tr> <tr> <td>State/Country:</td> <td>Japan</td> </tr> <tr> <td>Postal Code:</td> <td>471-8571</td> </tr> </table>		Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA	Street Address:	1, Toyota-cho	City:	Toyota-shi, Aichi-ken	State/Country:	Japan	Postal Code:	471-8571		
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CORRESPONDENCE DATA													
<p>Fax Number: (703)413-2220</p> <p>Phone: (703) 413-3000</p> <p>Email: asomaiel@oblon.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	386744US71PCT												
NAME OF SUBMITTER:	Adel Samuel												
<p>Total Attachments: 2</p> <p>source=386744USAssignment#page1.tif</p> <p>source=386744USAssignment#page2.tif</p>													

OP \$40.00 13259583

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Tatsuya SHIRAISHI of Susono-shi, Shizuoka-ken, Japan

Takeshi NANAMI of Gotenba-shi, Shizuoka-ken, Japan

Naohide UCHIDA of Suntou-gun, Shizuoka-ken, Japan

Hiroki GOTO of Susono-shi, Shizuoka-ken, Japan

Masakazu NISHIJIMA of Susono-shi, Shizuoka-ken, Japan

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: OBJECT DETECTING DEVICE

(Application No. 13/259,583, filed December 30, 2011), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA

(hereinafter referred to as "ASSIGNEES") having places of business at: 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan, respectively are desirous of jointly acquiring interests in the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEES, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEES as the assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: November 15, 2011

Tatsuya Shiraishi
(Signature of Inventor) Tatsuya SHIRAISHI

Date: November 15, 2011

Takeshi Nanami
(Signature of Inventor) Takeshi NANAMI

Date: November 15, 2011

Naohide Uchida
(Signature of Inventor) Naohide UCHIDA

Date: November 15, 2011

Hiroki Goto
(Signature of Inventor) Hiroki GOTO

Date: November 15, 2011

Masakazu Nishijima
(Signature of Inventor) Masakazu NISHIJIMA

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
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1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314