

12-21-2005



SHEET

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 07057.0115  
Attorney Customer Number: 22,852To the Director of the U.S. Pa.  
Please record the attached original documents or copy thereof.

103141738

AP20 Rec'd PTO DEC 2005  
Mail Stop Assignment Recordation Services1. Name of conveying party(ies):  
Kyoichi ABE  
Setsuo TOKORO  
Koji SUZUKI

2. Name and address of receiving party(ies):

Name: TOYOTA JIDOSHA KABUSHIKI KAISHA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

☒ Assignment☐ Merger

Street Address: 1, Toyota-cho, Toyota-shi,

City: Aichi-ken, 471-8571, Japan

☐ Security Agreement☐ Change of Name

State:

Zip Code:

☐ Other: [Describe]

Additional name(s) &amp; Address(es) attached?

Execution Date: October 28, 2005

☐ Yes☒ No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: October 28, 2005

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James W. Edmondson

6. Total number of applications and registrations involved:  
1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT &amp; DUNNER, L.L.P.

Street Address: 901 New York Avenue, N.W.

City: Washington, D.C.

State:

Zip:

20001-4413

8. Deposit Account No.: 06-0916

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James W. Edmondson

Signature

December 12, 2005

Date

Total number of pages including cover sheet, attachments and documents: 2

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:  
**OBJECT DETECTION SYSTEM AND METHOD OF DETECTING OBJECT**

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for  
United States Letters Patent on , 20 (Application No. ); and

WHEREAS, **TOYOTA JIDOSHA KABUSHIKI KAISHA**  
a corporation of **Japan**

whose post office address is **1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan**

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the  
application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby  
acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer,  
and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this  
invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States  
which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of  
Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and  
assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee,  
its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all  
lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the  
title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue  
applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to  
obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense  
incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney  
in this application, to insert here in parentheses (Application No.[Text], filed [Date]) the filing date and application number  
of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR <b>Kyoichi ABE</b>	ASSIGNOR'S SIGNATURE <i>Kyoichi Abe</i>	DATE <b>October 28, 2005</b>
ADDRESS <b>c/o TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan</b>		CITIZENSHIP <b>Japan</b>
2. FULL NAME OF SECOND ASSIGNOR, IF ANY <b>Setsuo TOKORO</b>	ASSIGNOR'S SIGNATURE <i>Setsuo Tokoro</i>	DATE <b>October 28, 2005</b>
ADDRESS <b>c/o TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan</b>		CITIZENSHIP <b>Japan</b>
2. FULL NAME OF THIRD ASSIGNOR, IF ANY <b>Koji SUZUKI</b>	ASSIGNOR'S SIGNATURE <i>Koji Suzuki</i>	DATE <b>October 28, 2005</b>
ADDRESS <b>c/o TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan</b>		CITIZENSHIP <b>Japan</b>