

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>Ryuji Itatsu</td> <td>10/03/2012</td> </tr> <tr> <td>Alessandro Concas</td> <td>10/03/2012</td> </tr> <tr> <td>Francisco J. Lopez</td> <td>10/03/2012</td> </tr> <tr> <td>Dante T Boutell</td> <td>10/03/2012</td> </tr> <tr> <td>Takashi Nakamura</td> <td>10/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ryuji Itatsu	10/03/2012	Alessandro Concas	10/03/2012	Francisco J. Lopez	10/03/2012	Dante T Boutell	10/03/2012	Takashi Nakamura	10/03/2012
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RECEIVING PARTY DATA													
Name:	Toyota Motor Engineering & Manufacturing North America, Inc.												
Street Address:	25 Atlantic Avenue												
City:	Erlanger												
State/Country:	KENTUCKY												
Postal Code:	41018												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13646928</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13646928								
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CORRESPONDENCE DATA													
Fax Number:	2486493338												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	2486493333												
Email:	marasia@youngbasile.com												
Correspondent Name:	Young Basile Hanlon and McFarlane P.C.												
Address Line 1:	3001 West Big Beaver Rd												
Address Line 2:	Suite 624												
Address Line 4:	Troy, MICHIGAN 48084												
NAME OF SUBMITTER:	Christopher G. Darrow												
Total Attachments: 2 source=TEMA151A_ExecutedAssign#page1.tif source=TEMA151A_ExecutedAssign#page2.tif													

CH \$40.00 13646928

ASSIGNMENT AND AGREEMENT

WHEREAS, **Ryuji Itatsu** of 2563 Plaza Del Amo Apt 404, Torrance CA 90503; **Alessandro Concas** of 160 Paseo De La Concha Apt E, Redondo Beach, CA 90277; **Francisco J. Lopez** of 4855 W 96th Street, Inglewood, CA 90301, **Dante T. Boutell** of 416 20th Street, Manhattan Beach CA 90266; and **Takashi Nakamura** of 22533 Kent Avenue, Torrance CA 90505, (hereinafter together referred to as "ASSIGNOR"), have invented a certain invention entitled **ENHANCED VEHICLE ONBOARD DIAGNOSTIC SYSTEM AND METHOD** as set forth in this United States Patent Application,

- executed concurrently herewith
- executed on _____
- Serial No. 13/646928 Filed 10/08/2012

WHEREAS, **Toyota Motor Engineering & Manufacturing North America, Inc.**, a corporation organized under the laws of the State of Kentucky having its principal place of business at 25 Atlantic Avenue, Erlanger, Kentucky 41018, ("ASSIGNEE"), desires to acquire the entire right, title, and interest in and to said invention;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

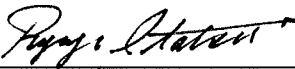

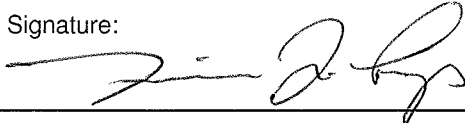
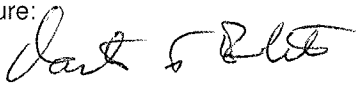

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and

(d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Young Basile Hanlon & MacFarlane, P.C. the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Young Basile Hanlon & MacFarlane, P.C. do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAME(S) AND SIGNATURE OF ASSIGNOR		
Name: Ryuji Itatsu	Signature: 	Date: 10/3/2012
Name: Alessandro Concas	Signature: 	Date: 10/3/2012
Name: Francisco J. Lopez	Signature: 	Date: 10/3/12
Name: Dante T. Boutell	Signature: 	Date: 10/3/12
Name: Takashi Nakamura	Signature: 	Date: 10/03/2012