

## 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>Keiichiro AOKI</td> <td>04/05/2013</td> </tr> <tr> <td>Takanori SASAKI</td> <td>04/10/2013</td> </tr> <tr> <td>Go HAYASHITA</td> <td>04/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Keiichiro AOKI	04/05/2013	Takanori SASAKI	04/10/2013	Go HAYASHITA	04/05/2013
Name	Execution Date								
Keiichiro AOKI	04/05/2013								
Takanori SASAKI	04/10/2013								
Go HAYASHITA	04/05/2013								
RECEIVING PARTY DATA									
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State/Country:	JAPAN								
Postal Code:	471-8571								
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>13993734</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13993734				
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Application Number:	13993734								
CORRESPONDENCE DATA									
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Signature:	/Ann Denikos/								
Date:	06/13/2013								
Total Attachments: 1 source=Assignment#page1.tif									

OP \$40.00 13993734

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Keiichiro AOKI
- (2) Takanori SASAKI
- (3) Go HAYASHITA

who have made a certain new and useful invention, hereby sell, assign and transfer unto

TOYOTA JIDOSHA KABUSHIKI KAISHA  
1, Toyota-cho, Toyota-shi  
Aichi-ken, 471-8571  
JAPAN

its successors and assigns ( hereinafter designated "ASSIGNEE" ) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

OXYGEN SENSOR AND OXYGEN SENSOR CONTROL DEVICE

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Keiichiro Aoki</u> Name: Keiichiro AOKI	<u>April 5, 2013</u>
2) <u>Takanori Sasaki</u> Name: Takanori SASAKI	<u>April 10, 2013</u>
3) <u>Go Hayashita</u> Name: Go HAYASHITA	<u>April 5, 2013</u>