

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>Hideo KOBAYASHI</td><td>12/22/2010</td></tr><tr><td>Toshihisa SUGIYAMA</td><td>12/22/2010</td></tr><tr><td>Katuhiko ARISAWA</td><td>12/22/2010</td></tr><tr><td>Kenichi YAMADA</td><td>12/22/2010</td></tr><tr><td>Kunihiko HAYASHI</td><td>12/22/2010</td></tr><tr><td>Akihito HOSOI</td><td>12/22/2010</td></tr><tr><td>Syusaku SUGAMOTO</td><td>12/22/2010</td></tr></tbody></table>		Name	Execution Date	Hideo KOBAYASHI	12/22/2010	Toshihisa SUGIYAMA	12/22/2010	Katuhiko ARISAWA	12/22/2010	Kenichi YAMADA	12/22/2010	Kunihiko HAYASHI	12/22/2010	Akihito HOSOI	12/22/2010	Syusaku SUGAMOTO	12/22/2010
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RECEIVING PARTY DATA																	
Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA																
Street Address:	1, Toyota-cho																
City:	Toyota-shi, Aichi-ken																
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>13055117</td></tr></tbody></table>		Property Type	Number	Application Number:	13055117												
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CORRESPONDENCE DATA																	
Fax Number:	(202)293-7860																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	Q122608																

PATENT

501413202

REEL: 025677 FRAME: 0854

OP \$40.00 13055117

NAME OF SUBMITTER:

Brian T. Murray, New Appl. Specialist

Total Attachments: 2

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Assignment

Whereas, I/We, Hideo KOBAYASHI, residing at Mishima-shi, Shizuoka-ken, Japan,
Toshihisa SUGIYAMA, residing at Gotenba-shi, Shizuoka-ken, Japan, Katuhiko
ARISAWA, residing at Gotenba-shi, Shizuoka-ken, Japan, Kenichi YAMADA, residing at
Yaizu-shi, Shizuoka-ken, Japan, Kunihiko HAYASHI, residing at Odawara-shi, Kanagawa-
ken, Japan, Akihito HOSOI, residing at Susono-shi, Shizuoka-ken, Japan, and Syusaku
SUGAMOTO, residing at Susono-shi, Shizuoka-ken, Japan of hereinafter called assignor(s),
have invented certain improvements in

CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

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

Whereas,

TOYOTA JIDOSHA KABUSHIKI KAISHA

1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

(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 13/055,117 and Confirmation number
3101, filed January 20, 2011) the application
number and filing date of said application when known.

Date: December 22, 2010 Hideo Kobayashi
s/ Hideo KOBAYASHI

Date: December 22, 2010 Toshihisa Sugiyama
s/ Toshihisa SUGIYAMA

Date: December 22, 2010 Katuhiko Arisawa
s/ Katuhiko ARISAWA

Date: December 22, 2010 Kenichi Yamada
s/ Kenichi YAMADA

Date: December 22, 2010 Kunihiko Hayashi
s/ Kunihiko HAYASHI

Date: December 22, 2010 Akihito Hosoi
s/ Akihito HOSOI

Date: December 22, 2010 Syusaku Sugamoto
s/ Syusaku SUGAMOTO

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