

## 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>Yoshie Kakuda</td><td>11/14/2011</td></tr><tr><td>Takeshi Yokoo</td><td>11/14/2011</td></tr><tr><td>Daisuke Shimo</td><td>11/15/2011</td></tr><tr><td>Kyotaro Nishimoto</td><td>11/16/2011</td></tr><tr><td>Kim Sangkyu</td><td>11/14/2011</td></tr></tbody></table>	Name	Execution Date	Yoshie Kakuda	11/14/2011	Takeshi Yokoo	11/14/2011	Daisuke Shimo	11/15/2011	Kyotaro Nishimoto	11/16/2011	Kim Sangkyu	11/14/2011	
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Mazda Motor Corporation</td></tr><tr><td>Street Address:</td><td>3-1 Shinchii, Fuchu-cho, Aki-gun</td></tr><tr><td>City:</td><td>Hiroshima</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>730-8670</td></tr></table>	Name:	Mazda Motor Corporation	Street Address:	3-1 Shinchii, Fuchu-cho, Aki-gun	City:	Hiroshima	State/Country:	JAPAN	Postal Code:	730-8670			
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
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NAME OF SUBMITTER:	Kyoko Martin												
Total Attachments: 1 source=Assignment_MZD2011A514#page1.tif													

CH \$40.00 13310518

PATENT

501742975

REEL: 027327 FRAME: 0574

### ASSIGNMENT

WHEREAS, I/we, the following named inventor(s):

1. Yoshie KAKUDA, residing in Hiroshima-shi, Japan;
2. Takeshi YOKOO, residing in Hiroshima-shi, Japan;
3. Daisuke SHIMO, residing in Hiroshima-shi, Japan;
4. Kyotaro NISHIMOTO, residing Hiroshima-shi, Japan; and
5. Kim SANGKYU, residing Higashihiroshima-shi, Japan

have invented an invention entitled **DIESEL ENGINE FOR VEHICLE**, for which I/we have executed an application for Letters Patent of the United States (check one):

(x) on the date I/we executed this assignment;

( ) as U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_;

( ) as International Application No. PCT/\_\_\_\_\_, filed \_\_\_\_\_;

I/we authorize the attorneys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date and application number of said application when known.

WHEREAS, Mazda Motor Corporation, ("Assignee"), a Japanese corporation, having its principal place of business at 3-1 Shinchu, Fuchu-cho, Aki-gun, Hiroshima 730-8670 Japan is desirous of acquiring an interest therein;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we, the above named inventor(s), have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto Assignee, the full and exclusive right to the above-identified 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 and extensions thereof.

I/We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to Assignee, as the assignee of my/our entire right, title and interest in and to the same, for the sole use of the Assignee, its successors and assigns.

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

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s) on the dates indicated below.

1. Inventor Name: Yoshie KAKUDA Signature: Yoshie Kacuda Date: November 14, 2011

2. Inventor Name: Takeshi YOKOO Signature: Takeshi Yokoo Date: November 14, 2011

3. Inventor Name: Daisuke SHIMO Signature: Daisuke Shimo Date: November 15, 2011

4. Inventor Name: Kyotaro NISHIMOTO Signature: Kyotaro Nishimoto Date: November 16, 2011

5. Inventor Name: Kim SANGKYU Signature: Kim sangkyu Date: November 14, 2011