

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Sadao Shibuya</td> <td>01/11/2012</td> </tr> <tr> <td>Ryota Nishioka</td> <td>01/11/2012</td> </tr> <tr> <td>Tomohiro Aoyama</td> <td>01/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sadao Shibuya	01/11/2012	Ryota Nishioka	01/11/2012	Tomohiro Aoyama	01/11/2012				
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<table border="1"> <tr> <td>Name:</td> <td>HONDA MOTOR CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Minami-Aoyama 2-chome</td> </tr> <tr> <td>Internal Address:</td> <td>Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>107-8556</td> </tr> </table>		Name:	HONDA MOTOR CO., LTD.	Street Address:	1-1, Minami-Aoyama 2-chome	Internal Address:	Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	107-8556
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CORRESPONDENCE DATA													
<p>Fax Number: (216)566-9711</p> <p>Phone: 2165669700</p> <p>Email: almasy@rankinhill.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Rankin Hill and Clark LLP</p> <p>Address Line 1: 38210 Glenn Avenue</p> <p>Address Line 4: Willoughby, OHIO 44094</p>													
ATTORNEY DOCKET NUMBER:	SHG-35503												
NAME OF SUBMITTER:	David E. Spaw												
<p>Total Attachments: 2</p> <p>source=35503#page1.tif</p> <p>source=35503#page2.tif</p>													

CH \$40.00 13349146

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

SHAPE OPTIMIZATION METHOD

that are the subject of an application for a U.S. Patent, (Application No. 13/349146, filed 01/12/2012), which application is further identified as Rankin, Hill, Porter & Clark LLP Docket No. SHG-35503.

WHEREAS, HONDA MOTOR CO., LTD., a corporation of Japan, and having a place of business at 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556 Japan, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

- (1) Inventor Name (sole or joint): Sadao SHIBUYA

Signature: Sadao Shibuya

Today's Date : January 11, 2012

Witness: _____

Witness: _____

- (2) Inventor Name (sole or joint): Ryota NISHIOKA

Signature: Ryota Nishiooka

Today's Date : January 11, 2012

Witness: _____

Witness: _____

- (3) Inventor Name (sole or joint): Tomohiro AOYAMA

Signature: Tomohiro Aoyama

Today's Date : January 11, 2012

Witness: _____

Witness: _____

- (4) Inventor Name (sole or joint):

Signature: _____

Today's Date : _____

Witness: _____

Witness: _____