

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>Yoshihiro MITSUHASHI</td> <td>10/03/2012</td> </tr> <tr> <td>Katsunori TANAKA</td> <td>10/03/2012</td> </tr> <tr> <td>Hiroyuki MURAKAMI</td> <td>10/03/2012</td> </tr> <tr> <td>Kouji TAKAHASHI</td> <td>10/03/2012</td> </tr> <tr> <td>Taku KAWAKAMI</td> <td>10/03/2012</td> </tr> <tr> <td>Ichiro MINATO</td> <td>10/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yoshihiro MITSUHASHI	10/03/2012	Katsunori TANAKA	10/03/2012	Hiroyuki MURAKAMI	10/03/2012	Kouji TAKAHASHI	10/03/2012	Taku KAWAKAMI	10/03/2012	Ichiro MINATO	10/03/2012
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RECEIVING PARTY DATA															
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Street Address:	JA Kyosai Bldg., 7-9 Hirakawacho 2-chome, Chiyoda-ku														
City:	Tokyo														
State/Country:	JAPAN														
Postal Code:	102-0093														
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>13638472</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13638472										
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Application Number:	13638472														
CORRESPONDENCE DATA															
Fax Number:	7033901277														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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OP \$40.00 13638472

NAME OF SUBMITTER:

Donald R. Studebaker

Total Attachments: 2

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Yoshihiro MITSUHASHI, Katsunori TANAKA, Hiroyuki MURAKAMI, Kouji TAKAHASHI, Taku KAWAKAMI and Ichiro MINATO, all of Tokyo, Japan

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to:

VACUUM PUMP

[] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on, _____ authorization being hereby given to the practitioners associated with the STUDEBAKER & BRACKETT PC CUSTOMER NUMBER 78198, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

[X] said application having been filed under the Patent Cooperation Treaty on March 30, 2011, as Serial No. PCT/JP2011/058656, the United States of America being designated.

AND WHEREAS Nabtesco Automotive Corporation of JA Kyosai Bldg., 7-9, Hirakawacho 2-chome, Chiyoda-ku, Tokyo 102-0093 Japan, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

The undersigned hereby grant(s) the law firm of STUDEBAKER & BRACKETT PC 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 U.S. Patent and Trademark Office for recordation of this document.

This Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: October 3, 2012

Signature: *Y. Mitsuhashi*
Name: **Yoshihiro MITSUHASHI**

Date: October 3, 2012

Signature: *K. Tanaka*
Name: **Katsunori TANAKA**

Date: October 3, 2012

Signature: *H. Murakami*
Name: **Hiroyuki MURAKAMI**

Date: October 3, 2012

Signature: *K. Takahashi*
Name: **Kouji TAKAHASHI**

Date: October 3, 2012

Signature: *T. Kawakami*
Name: **Taku KAWAKAMI**

Date: October 3, 2012

Signature: *I. Minato*
Name: **Ichiro MINATO**