

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>Taro OSAKABE</td> <td>01/10/2013</td> </tr> <tr> <td>Takayuki KANEKO</td> <td>01/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Taro OSAKABE	01/10/2013	Takayuki KANEKO	01/10/2013
Name	Execution Date						
Taro OSAKABE	01/10/2013						
Takayuki KANEKO	01/10/2013						
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>13808365</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13808365		
Property Type	Number						
Application Number:	13808365						
CORRESPONDENCE DATA							
Fax Number:	7034132220						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(703) 413-3000						
Email:	bpalmer@oblon.com						
Correspondent Name:	Oblon, Spivak, et al.						
Address Line 1:	1940 Duke Street						
Address Line 4:	Alexandria, VIRGINIA 22314						
ATTORNEY DOCKET NUMBER:	409598US						
NAME OF SUBMITTER:	Brian Palmer						
Total Attachments: 1 source=409598USASSN#page1.tif							

OP \$40.00 13808365

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

TOYOTA JIDOSHA KABUSHIKI KAISHA

1, Toyota-cho, Toyota-shi, Aichi 471-8571 JAPAN

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

BRAKING DEVICE AND VEHICLE

relating to International Patent Application PCT/JP 2011 / 064953 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on March 15, 2013

Serial No. 13 / 808,365;

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

- | | | | |
|----|---------------------------------------|---------------------------------------|--------------------------------|
| 1) | <u>Taro Osakabe</u>
(Signature) | <u>Taro OSAKABE</u>
(Type Name) | <u>Jan. 10, 2013</u>
(Date) |
| 2) | <u>Takayuki Kaneko</u>
(Signature) | <u>Takayuki KANEKO</u>
(Type Name) | <u>Jan. 10, 2013</u>
(Date) |
| 3) | _____
(Signature) | _____
(Type Name) | _____
(Date) |
| 4) | _____
(Signature) | _____
(Type Name) | _____
(Date) |
| 5) | _____
(Signature) | _____
(Type Name) | _____
(Date) |

PATENT