

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>Yuji NISHI</td> <td>12/08/2011</td> </tr> <tr> <td>Hidenori TAKAHASHI</td> <td>12/08/2011</td> </tr> <tr> <td>Masatoshi TAZAWA</td> <td>12/08/2011</td> </tr> </tbody> </table>		Name	Execution Date	Yuji NISHI	12/08/2011	Hidenori TAKAHASHI	12/08/2011	Masatoshi TAZAWA	12/08/2011
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Yuji NISHI	12/08/2011								
Hidenori TAKAHASHI	12/08/2011								
Masatoshi TAZAWA	12/08/2011								
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>13382672</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13382672				
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Application Number:	13382672								
CORRESPONDENCE DATA									
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Phone:	202-293-7060								
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Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037								
ATTORNEY DOCKET NUMBER:	Q127947								
NAME OF SUBMITTER:	Gudrun Harmon asst. to William H. Mandir								
Total Attachments: 1 source=Q127947_Assignment#page1.tif									

OP \$40.00 13382672

Assignment

Whereas, I/we, Yuji NISHI, Hidenori TAKAHASHI and Masatoshi TAZAWA of Nagoya-shi, Aichi-ken, Japan, Okazaki-shi, Aichi-ken, Japan and Okazaki-shi, Aichi-ken, Japan respectively, hereinafter called assignor(s), have invented certain improvements in SECONDARY BATTERY TEMPERATURE-INCREASING CONTROL APPARATUS AND VEHICLE INCLUDING THE SAME, AND SECONDARY BATTERY TEMPERATURE-INCREASING CONTROL METHOD

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

Whereas, TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan (assignee), desire 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 all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, 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 hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications 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 _____ and Confirmation number _____, filed _____) the application number and filing date of said application when known.

Date: December 8,
2011

Yuji Nishi
s/ Yuji NISHI

Date: December 8,
2011

Hidenori Takahashi
s/ Hidenori TAKAHASHI

Date: December 8,
2011

Masatoshi Tazawa
s/ Masatoshi TAZAWA

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