

## 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>Yukari ARAKI</td> <td>03/27/2012</td> </tr> <tr> <td>Nobutaka TAKEUCHI</td> <td>03/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yukari ARAKI	03/27/2012	Nobutaka TAKEUCHI	03/27/2012
Name	Execution Date						
Yukari ARAKI	03/27/2012						
Nobutaka TAKEUCHI	03/27/2012						
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>13510999</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13510999		
Property Type	Number						
Application Number:	13510999						
CORRESPONDENCE DATA							
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Total Attachments: 1 source=ASSIGNMENT#page1.tif							

OP \$40.00 13510999

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

**TOYOTA JIDOSHA KABUSHIKI KAISHA**

(hereinafter referred to as "ASSIGNEE"), which has a business office at

1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

**ENGINE COOLING DEVICE**

(File No. \_\_\_\_\_) for which I(we) have executed an application for a United States Letters Patent on March 27, 2012.  
(Application Serial No. 13/510,999 filed on May 21, 2012.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) *Yukari Araki* Date: *Mar. 27. 2012*  
Name: Yukari ARAKI

2) *Nobutaka Takeuchi* Date: *March. 27, 2012*  
Name: Nobutaka TAKEUCHI

Witness: *Takeshi Hasegawa* Date: *March. 27. 2012*