

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2582398

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>MASAYUKI TAKEUCHI</td> <td>09/18/2013</td> </tr> <tr> <td>HIROSHI KISHITA</td> <td>09/18/2013</td> </tr> <tr> <td>YASUMITSU OMI</td> <td>09/18/2013</td> </tr> <tr> <td>NOBUHARU KAKEHASHI</td> <td>09/18/2013</td> </tr> <tr> <td>HIDEAKI OKAWA</td> <td>09/19/2013</td> </tr> <tr> <td>KOUJI MIURA</td> <td>09/18/2013</td> </tr> <tr> <td>MICHIO NISHIKAWA</td> <td>09/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	MASAYUKI TAKEUCHI	09/18/2013	HIROSHI KISHITA	09/18/2013	YASUMITSU OMI	09/18/2013	NOBUHARU KAKEHASHI	09/18/2013	HIDEAKI OKAWA	09/19/2013	KOUJI MIURA	09/18/2013	MICHIO NISHIKAWA	09/18/2013
Name	Execution Date																
MASAYUKI TAKEUCHI	09/18/2013																
HIROSHI KISHITA	09/18/2013																
YASUMITSU OMI	09/18/2013																
NOBUHARU KAKEHASHI	09/18/2013																
HIDEAKI OKAWA	09/19/2013																
KOUJI MIURA	09/18/2013																
MICHIO NISHIKAWA	09/18/2013																
RECEIVING PARTY DATA																	
Name:	DENSO CORPORATION																
Street Address:	1-1, SHOWA-CHO																
City:	KARIYA-CITY, AICHI-PREF.																
State/Country:	JAPAN																
Postal Code:	448-8661																
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>14112487</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14112487												
Property Type	Number																
Application Number:	14112487																
CORRESPONDENCE DATA																	
Fax Number:	(248)641-0270																
Phone:	248 641-1600																
Email:	dlemer@hdp.com																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	HARNESS, DICKEY & PIERCE, P.L.C.																
Address Line 1:	P.O. BOX 828																
Address Line 2:	4041J-002149/US/NP																
Address Line 4:	BLOOMFIELD HILLS, MICHIGAN 48303																
ATTORNEY DOCKET NUMBER:	4041J-002149/US/NP																
PATENT																	

NAME OF SUBMITTER:	DEVORAH LERNER
Signature:	/devorahlemer/
Date:	10/18/2013
Total Attachments: 1 source=Executed_Assignment_with_Serial_Number#page1.tif	

ASSIGNMENT BY INVENTORS

Sole or Joint

WHEREAS, the undersigned, hereinafter referred to as Assignor(s), have invented

VEHICLE TEMPERATURE CONTROL APPARATUS AND IN-VEHICLE THERMAL SYSTEM

for which the undersigned executed an application for Letters Patent of the United States of America:

- (A) even date herewith
- (B) on _____
- (C) in U.S. Appln. No. 14/112,487 filed 17 October 2013

AND WHEREAS,

DENSO CORPORATION, 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto Assignee, its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention as described in the specification executed by Assignors of even date preparatory to filing a United States application for patent therefor, said invention and all United States applications for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made; and Assignors hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of United States application for patent and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor for the benefit of Assignee without further or other compensation than that above set forth; and Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee(s).

Inventor 1:	<u>Masayuki Takeuchi</u> Masayuki Takeuchi	Date	<u>September 18, 2013</u>
Inventor 2:	<u>Hiroshi Kishita</u> Hiroshi Kishita	Date	<u>September 18, 2013</u>
Inventor 3:	<u>Yasumitsu Omi</u> Yasumitsu Omi	Date	<u>September 18, 2013</u>
Inventor 4:	<u>Nobuharu Kakehashi</u> Nobuharu Kakehashi	Date	<u>September 18, 2013</u>
Inventor 5:	<u>Hideaki Okawa</u> Hideaki Okawa	Date	<u>September 19, 2013</u>
Inventor 6:	<u>Koji Miura</u> Koji Miura	Date	<u>September 18, 2013</u>
Inventor 7:	<u>Michio Nishikawa</u> Michio Nishikawa	Date	<u>September 18, 2013</u>

PATENT