

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Toshihide NINAGAWA</td> <td>03/04/2009</td> </tr> <tr> <td>Tatsuo OZAKI</td> <td>03/04/2009</td> </tr> <tr> <td>Takahide Oohara</td> <td>03/04/2009</td> </tr> </tbody> </table>		Name	Execution Date	Toshihide NINAGAWA	03/04/2009	Tatsuo OZAKI	03/04/2009	Takahide Oohara	03/04/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>DENSO CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Showa-cho</td> </tr> <tr> <td>City:</td> <td>Kariya-city, Aichi-pref.</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>448-8661</td> </tr> </table>		Name:	DENSO CORPORATION	Street Address:	1-1, Showa-cho	City:	Kariya-city, Aichi-pref.	State/Country:	JAPAN	Postal Code:	448-8661
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CORRESPONDENCE DATA											
Fax Number: (248)641-0270 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 248 641-1600 Email: dlerner@hdp.com Correspondent Name: HARNESS DICKEY & PIERCE P.L.C. Address Line 1: P.O. Box 828 Address Line 2: 4041J-001584/US/NP HKM/MJS Address Line 4: Bloomfield Hills, MICHIGAN 48303											
ATTORNEY DOCKET NUMBER:	4041J-001584/US/NP										
NAME OF SUBMITTER:	Devorah Lerner										
Total Attachments: 1 source=assign1584#page1.tif											

CH \$40.00 12515392

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PATENT
 REEL: 022702 FRAME: 0843

ASSIGNMENT BY INVENTORS

Sole or Joint

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

HEAT EXCHANGER

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

- (A) X even date herewith
(B) on
(C) in U.S. Appln. No. 12/515,392 filed 18 MAY 2009

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).

Toshihide Ninagawa
Inventor 1: **Toshihide Ninagawa**

March 4, 2009
Date

Osamu Hakamata
Witness

Tatsuo Ozaki
Inventor 2: **Tatsuo Ozaki**

March 4, 2009
Date

Hajime Sugito
Witness

Takahide Ohara
Inventor 3: **Takahide Oohara**

March 4, 2009
Date

U O U
Witness