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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 4041J-000226

COVER SHEET FOR RECORDAL OF DOCUMENT (PATENT)

07-23-1999



101099389

17-20-99

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

(1) **Name Of Party Conveying The Interest:**

Kouji Horie
Seiichi Kato
Hisashi Nakashima

(2) **Name And Address Of Party Receiving The Interest:**

Denso Corporation
1-1 Showa-cho
Kariya-city, Aichi-pref.
448-8661 Japan

(3) **Description Of The Transaction To Be Recorded:**

Assignment License
 Change of Name Other _____

(4) **Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:**

Serial No. 09/326,223, filed June 3, 1999.
 Application being filed concurrently herewith.
 Patent Number _____, issued _____.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on July 16, 1999. By [Signature]

0000454 09326223 07/22/1999 14:49:51 0000454 09326223 07/22/1999 14:49:51

(5) **Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:**

H. Keith Miller
Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
Bloomfield Hills, MI 48303

(6) **Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:**

Number of Applications/Patents: 1 (one)

Total Recordal Fee Enclosed: \$40.00

(7) **Date(s) The Document Was Executed as follows:**

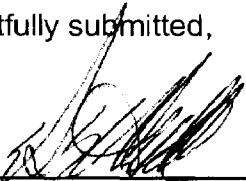
Inventor Date of Execution

- (1) Kouji Horie May 28, 1999
- (2) Seiichi Kato May 28, 1999
- (3) Hisashi Nakashima May 28, 1999

To the best of my knowledge and belief, the foregoing information is true and correct, and if the attached is not an original document, the undersigned verifies that it is a true copy of the original.

If, for some reason, Applicants have not paid a sufficient fee, please charge our Deposit Account No. 08-0750 for any further fees which may be due.

Respectfully submitted,

By: 

H. Keith Miller, Reg. No. 22,484
Michael J. Schmidt, Reg. No. 34,007
Attorney for Applicants

Date: July 16, 1999

ASSIGNMENT BY INVENTORS

Sole or Joint

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

HEAT EXCHANGER HAVING TUBE JOINED TO CORE PLATE AND METHOD OF MANUFACTURING THE SAME

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

- (A) _____ even date herewith
- (B) _____ on _____
- (C) XX in U.S. Appln. No. 09/326,223 filed 06/03/99

AND WHEREAS,

DENSO CORPORATION of 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).

Kouji Horie
 Inventor 1: Kouji Horie

May 28, 1999
 Date

Kazutaka Maeda
 Witness

Seichi Kato
 Inventor 2: Seichi Kato

May 28, 1999
 Date

Yuko Idirabayashi
 Witness

Hisashi Nakashima
 Inventor 3: Hisashi Nakashima

May 28, 1999
 Date

Yuko Idirabayashi
 Witness

_____ IF ADDITIONAL INVENTORS, check and continue on page 2.