

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4787783

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NOBUHARU KAKEHASHI	07/11/2014
YOSHIKI KATOH	07/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DENSO CORPORATION
<b>Street Address:</b>	1-1, SHOWA-CHO
<b>City:</b>	KARIYA-CITY, AICHI-PREF.
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	448-8661
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15877420
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	248-641-1600
<b>Email:</b>	troymailroom@hdp.com
<b>Correspondent Name:</b>	HARNESS, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 828
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48303
<b>ATTORNEY DOCKET NUMBER:</b>	4041J-002268-US-DVA
<b>NAME OF SUBMITTER:</b>	MICHAEL J. SCHMIDT
<b>SIGNATURE:</b>	/Michael J. Schmidt/
<b>DATE SIGNED:</b>	01/23/2018
<b>Total Attachments: 2</b>	
source=Parent_Assignment#page1.tif	
source=Parent_Assignment#page2.tif	

# 譲渡証 ASSIGNMENT

本件署名者は、十分な考慮及び理解の下、譲受人としての次の会社及びその相続人、譲渡先、その他の法的代理人に、米国及びその属地において、下記の発明に関する全権利並びに所有権を譲渡することに合意し、譲渡、売却、移譲します。

For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby assign(s), sell(s) and transfer(s) to

譲受者名:  
Assignee(s):

住所:  
Address(es):

**DENSO CORPORATION**

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

as Assignee(s), and corresponding successors, assigns or other legal representatives, the entire right, title and interest, in the United States of America, and its territories, dependencies and possessions, to certain inventions known as

発明の名称:  
Title of  
Invention: **HEAT EXCHANGER**

上記発明についての米国登録特許証の出願は、  
described in an application for Letters Patent of the United States executed

- ☒ 本譲渡証と同日、もしくは  
on even date herewith
- ☐ 米国出願番号 \_\_\_\_\_ として \_\_\_\_\_ に提出されたものです。  
as U.S. Application Serial No. \_ filed on \_

また、本件署名者は、本件出願の継続出願や分割出願、更には、再発行特許の登録特許証に関しても同様に譲渡いたします。本件署名者は米国特許商標局長官が上記譲受人に登録特許証を発行することを許可、希望します。

本件署名者は、要求に応じて、すべての書面に署名すること、誓約すること、更に、本件発明の確保・維持・権利行使のために、また、譲受人の権利確保のために必要となるすべての手続を実行することに合意します。

本件署名者は、本件出願に関連して必要となった際に、上記譲受人が本件発明に関するすべての国際条約及び協定に基づく優先権を行使・要求することについて、それを許可し、その権限を上記譲受人に与えます。

本件署名者は、Harness, Dickey & Pierce, P.L.C.に対して、この書面の登録に必要な・適切となる追記をすることを許可します。

as well as any and all continuations, divisions, and reissues of said application and all Letters Patents that may be granted therefor. The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent or Letters Patents to said Assignee(s).

The undersigned agree(s), when requested, to sign all papers, take all rightful oaths, and perform all acts which may be necessary for securing, maintaining and enforcing patents for said inventions and for vesting title thereto in said Assignee(s).

The undersigned authorize(s) and empower(s) said Assignee(s) to invoke and claim the benefit of the right of priority provided under any and all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application.

The undersigned also authorize(s) Harness, Dickey & Pierce, P.L.C. to insert hereon any further identification that may be necessary or desirable for recordation of this document.

発明者はここに付随する添付書面上にリストされます。  
inventor(s) listed on the attached sheet which is incorporated herein by reference.

注記: 上記日本語抄訳は、本書面の理解の助けとして付記しております。正式な解釈は英文に基づき行われます。

Note: The above Japanese text is for the purpose of helping the understanding of the reader. The interpretation of the Assignment should be based on the English text.

譲渡証(続き)  
**ASSIGNMENT (Cont.)**

署名: Signature: <u>Nobuharu Kakehashi</u> 第 1 発明者: First Inventor: <b>Nobuharu Kakehashi</b>	署名日: Date: <u>July 11, 2014</u>
署名: Signature: <u>Yoshiki Katoh</u> 第 2 発明者: Second Inventor: <b>Yoshiki Katoh</b>	署名日: Date: <u>July 15, 2014</u>
署名: Signature: _____ 第 3 発明者: Third Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 4 発明者: Fourth Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 5 発明者: Fifth Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 6 発明者: Sixth Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 7 発明者: Seventh Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 8 発明者: Eighth Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 9 発明者: Ninth Inventor: _____	署名日: Date: _____
署名: Signature: _____ 第 10 発明者: Tenth Inventor: _____	署名日: Date: _____