504846617 03/30/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

v1.1 EPAS ID: PAT4893354

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Youhei MORIMOTO	03/21/2018
Yutaro ITO	03/22/2018
Noriaki IKEMOTO	03/22/2018
Masuhiro KONDO	03/22/2018
Takahiro NARITA	03/22/2018

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

Property Type	Number
Application Number:	15765158

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

Phone: 703-836-6400
Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 180929

NAME OF SUBMITTER: JASMINE L. BARFIELD

SIGNATURE: /Jasmine L. Barfield/

DATE SIGNED: 03/30/2018

Total Attachments: 2

PATENT REEL: 045398 FRAME: 0900 source=5658600_1#page1.tif source=5658600_1#page2.tif

> PATENT REEL: 045398 FRAME: 0901

Client Ref: 182714-UST-HL-yh

譲渡証 ASSIGNMENT

本件署名者は、十分な考慮及び理解の下、第受人としての次の会社及びその相貌人、譲渡光、その他の途的代類人に、米固及びその馬地において、下度の分類に関する全般利能なに所有能を接触すると比ら含む。職家、完和、移館します。 For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby sasign(s), sell(s) and transfer(s) to assign, and hereby sasign(s). DENSO CORPORATION 1-1, Showa-cho, Karlya-city, Alchi-pref., 448-8661 Japan 2-2, And its lenturies, dependencies and possessions, to certain inventions known as 2-2, And the tenturies, dependencies and possessions, to certain inventions known as 2-3, And the tenturies, dependencies and possessions, to certain inventions known as 2-3, And the tenturies, and the tenturies and tenturies and the tenturies and tentu					
Assignee(s): DENSO CORPORATION 1-1, Showa-cho, Kariya-city, Aichl-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 CONTROLLER FOR VEHICLE 上空発明についての米恒空発特許証の出版は、 位金のTitle の Liverinion: 上空発明についての米恒空発特許証の出版は、 位金のTitle の Liverinion: 上空発明についての米恒空発特許証の出版は、 位金のTitle の Liverinion: 上空発明についての米恒空発特許証の表が出版は、 の even date herewith 「新設証に用き、した」に 「長田されたものです。 金型 U.S. Application Serial No fled on _ また、本体器を含む、本作出版の複雑出版や分割出版、更には、再発行等許の整備特許証に関しても同様に譲渡いたします。本件器を含むは、本作器を含む、本作性といて、主な経験が正な多な方でした。整約すること、整約すること、更に、本件発のの確保・維持・機利行後のために、また、譲受人の権利確保のからから必要となるすべての手能を実行することに合意します。 本件器を含む、未成まに応じて、サイベの事態に発すること、整約すること、更に、本件発のの確保・維持・機利行後のために、また、譲受人の権利確保のからから必要となるすべての手能を実行することに合意します。 本件器を含む、人工に会が可し、その機能と上記機及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依先権を行後・要求することについて、それを計可し、その機能と上記機及人はよるまます。 本件器を含む、な出に会が同じた。これを通り上できる時間の発験に必要・適切となる道ををすることを作可します。 本件器を含む、な出に会が同じた。また、また、また、また、は、は、は、は、は、は、は、は、は、は、は、は、は、は、	能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)				
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 ### ### ### ### ### ### ### ### ### #					
America, and its territories, dependencies and possessions, to certain inventions known as 発明の名称: Title of CONTROLLER FOR VEHICLE Invention: 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	DENSO CORPORATION	1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan			
America, and its territories, dependencies and possessions, to certain inventions known as 発明の名称: Title of CONTROLLER FOR VEHICLE Invention: 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					
America, and its territories, dependencies and possessions, to certain inventions known as 発明の名称: Title of CONTROLLER FOR VEHICLE Invention: 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					
America, and its territories, dependencies and possessions, to certain inventions known as 発明の名称: Title of CONTROLLER FOR VEHICLE Invention: 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					
America, and its territories, dependencies and possessions, to certain inventions known as 発明の名称: Title of CONTROLLER FOR VEHICLE Invention: 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					
Title of Invention: 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 本族変証と同日、もしくは	as Assignee(s), and corresponding successors, assigns or oth America, and its territories, dependencies and possessions, to	er legal representatives, the entire right, title and interest, in the United States of certain inventions known as			
本族変証と同日、もしくは	Title of CONTROLLER FOR VEHICLE				
*** ** ** ** ** ** ** ** ** ** ** ** **		es executed			
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配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、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ったで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、OLIFF & BERRIDGE, P.L.C.に対して、この容面の登録に必要・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) OLIFF & BERRIDGE, 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: 上記日本節抄訳は、本書面の理解の助けとして付配しております。正式な解釈は英文に基づき行われます。	I IXI ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				
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、ACLIFF & BERRIDGE、P.L.C.に対して、この事面の登録に必要・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) OLIFF & BERRIDGE, 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。		のです。			
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、上記瞭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、OLIFF & BERRIDGE, P.L.C.に対して、この啓面の登録に必要・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) OLIFF & BERRIDGE, 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咨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、本咨面の理解の助けとして付配しております。正式な解釈は英文に基づき行われます。	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。			
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、OLIFF & BERRIDGE, P.L.C.に対して、この街面の登録に必要・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) OLIFF & BERRIDGE, 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咨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、本咨面の理解の助けとして付配しております。正式な解釈は英文に基づき行われます。	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。				
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) OLIFF & BERRIDGE, 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配しております。正式な解釈は英文に基づき行われます。	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。				
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) OLIFF & BERRIDGE, 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咨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、本咨面の理解の助けとして付配しております。正式な解釈は英文に基づき行われます。	undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to Issue said Letters Patent or				
all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application. The undersigned also authorize(s) OLIFF & BERRIDGE, 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ソストされます。 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配しております。正式な解釈は英文に基づき行われます。	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				
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配しております。正式な解釈は英文に基づき行われます。	The undersigned also authorize(s) OLIFF & BERRIDGE, P.L.C. to insert hereon any further identification that may be necessary or				
注記: 上記日本語抄訳は、本沓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。	発明者はここに付随する添付咨面上にリストされます。	erein by reference.			
based on the English text.					

譲渡証(続き) ASSIGNMENT (Cont.)

署名: Signature: 第1条则者: First inventor:	Youhei Morimace Youhei Morimoto	器名目: Date:	March 21, 2018
着名: Signature: 第2卷明者: Second inventor:	Yutare UTO Yutaro Ito	器名目: Oate:	March 22.2018
答名: Signature: 第3类明者: Third Inventor:	Noriaki Ikemoto Noriaki Ikemoto	署名日: Date:	March 22.2018
署名: Signature: 第4卷與者: Fourth Inventor:	Musufine Kondo Masuhiro Kondo	签名B: Date:	March 22, 2018
署名: Signature: 第5発明者: Fifth Inventor:	Takahuro harita Takahiro Narita	署名日: Date:	Joneth 22, 2018
簽套: Signature: ※6条则套: Sixth Inventor:		署名目: Date:	
署名: Signature: 第7条明者: Seventh Inventor:		署名日: Date:	
器名: Signature: 第 8 発明者: Eighth Inventor:		署名目: Date:	
署名: Signature: 第9条明者: Ninth Inventor:		署名B: Date:	
著名: Signature: 第 10 条符者: Tenth Inventor:		署名日: Date:	