## 505237065 12/14/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5283835

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY [	ΟΑΤΑ					
		Name	Execution Da			
KENTARO IYOSHI			12/07/2018			
RECEIVING PARTY D	ΔΤΔ					
Name:		SEMICONDUCTOR COMPONENTS INDUSTRIES, LLC				
Street Address:		5005 E. MCDOWELL ROAD				
Internal Address:	MAILDF	MAILDROP A700				
City:	PHOEN	PHOENIX				
State/Country:	ARIZON	ARIZONA				
Postal Code:	85008	85008				
Application Number: 162						
Property Type Application Number: 162		Number				
Application Number:		16220161				
		16220161				
CORRESPONDENCE	DATA					
CORRESPONDENCE Fax Number:	DATA	(602)244-3169	 unsuccessful, it will be sent			
CORRESPONDENCE Fax Number: Correspondence will I using a fax number, if	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <i>if that is unsuccessful, it will be</i>				
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>l; if that is unsuccessful, it will be</b> 6022443574				
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>l; if that is unsuccessful, it will be</b> 6022443574	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD MAILDROP A700	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD MAILDROP A700 PHOENIX, ARIZONA 85008	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4:	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD MAILDROP A700 PHOENIX, ARIZONA 85008 ONS02993US	sent via US Mail.			
CORRESPONDENCE Fax Number: <i>Correspondence will I</i>	DATA be sent to f provided	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD MAILDROP A700 PHOENIX, ARIZONA 85008 ONS02993US SHARRON CASTILLO	sent via US Mail.			
CORRESPONDENCE Fax Number: Correspondence will i using a fax number, if Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N IAME OF SUBMITTER GIGNATURE: DATE SIGNED: Total Attachments: 3	DATA be sent to f provided : :	(602)244-3169 <b>o the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD MAILDROP A700 PHOENIX, ARIZONA 85008 ONS02993US SHARRON CASTILLO /Sharron Castillo/ 12/14/2018	sent via US Mail.			
CORRESPONDENCE Fax Number: Correspondence will i using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: TTORNEY DOCKET N AME OF SUBMITTER IGNATURE: ATE SIGNED:	DATA be sent to f provided : : : : : : 20181214_	(602)244-3169 <b>the e-mail address first; if that is</b> <b>if that is unsuccessful, it will be</b> 6022443574 patents@onsemi.com SEMICONDUCTOR COMPONENTS 5005 E. MCDOWELL ROAD MAILDROP A700 PHOENIX, ARIZONA 85008 ONS02993US SHARRON CASTILLO /Sharron Castillo/ 12/14/2018 Assignment#page1.tif	sent via US Mail.			

ASSIGNMENT & AGREEMENT	譲渡及び契約書		
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I,	適正・相当な対価を受領しており、それが十 分な対価であることを認めた上で、私こと		
Name of (City and State OR Country) Kentaro IYOSHI O-izumi-machi, Japan	<u>(市及び州又は国) の(氏名)</u> Kentaro IYOSHI O-izumi-machi, Japan		
agree to sell, assign, and transfer, and do hereby sell, assign, and transfer to Semiconductor Components Industries, LLC, a limited liability company of the State of Delaware, having its principal office in Phoenix, State of Arizona, United States of America, and its successors, assigns, and legal representatives ("SCI"), the entire right, title, and interest in and to the inventions and discoveries as described, illustrated, and/or claimed in	は、以下に説明、図解、及び/又は、請求され た発明及び発見に対する全ての権利、所有権 及び利益を売却、譲渡することに同意し、デ ラウェア州の有限会社であり本社をアメリカ 合衆国アリゾナ州フェネックスに置く Semiconductor Components Industries, LLC、そ の承継人、譲受人及び法定代理人(以下 「SCI」)に売却及び譲渡を行うものである。		
Title: METHODS AND SYSTEMS FOR MOTOR CONTROL	所有権: METHODS AND SYSTEMS FOR MOTOR CONTROL		
Attorney Docket No.: ONS02993US	代理人明細書番号: ON502993US		
Serial No.: US16/220161	シリアル番号: us16/220161		
Filing Date: December 14, 2018	申請曰: December 14, 2018		
together with the entire right, title, and interest in and to the above listed application(s), and in and to any and all provisional, non-provisional, divisional, continuation, continuation-in-part, international, foreign, and any and all other applications related thereto, and also including any and all grants, issuances, letters patent, reissues, reexaminations, renewals, priority rights, and priority claims related to any of the foregoing, and any and all rights to collect past damages for infringement of any of the foregoing (the "Patent Rights").	これには、上記にリストされた申請、及び全 ての仮の、非仮の、分割の、継続の、一部継 続の、国際の、外国の申請、及びそれに関連 するその他の申請に対する全ての権利、所有 権、利益に加え、前述のいずれの許諾、発 行、特許証、再発行、再審査、更新、優先 権、優先権の主張及び前述のいずれの侵害の ため過去の損害賠償を得る権利全て(以下 「特許権」)を含んでいる。		

I further authorize SCI to apply for and hold and maintain the Patent Rights throughout the world directly in its own name or any other name which SCI deems appropriate in its sole discretion, and to claim the priority of the filing date of the above listed application(s). 私は、SCIに、自己の名で又は SCI が単独の裁 量で適切とみなすその他の名称で、直接世界 に特許権を申請し、保有し、維持すること、 及び、上記にリストされた申請に関する申請 日の優先権を主張する権利を許諾する。 I agree that, when requested, I will, without charge to SCI, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient for securing, maintaining, and enforcing the Patent Rights in any and all countries and for vesting title thereto in SCI or its nominees.

I represent and warrant that I have full right to convey the entire right, title and interest herein sold, assigned, and transferred, and that the Patent Rights hereby conveyed are free from all prior assignment, grant, mortgage, license, or other encumbrance to anyone other than SCI. I covenant and further warrant that I will not convey hereafter any part of the Patent Rights to anyone other than SCI or do any act whatsoever conflicting with this ASSIGNMENT & AGREEMENT.

I hereby authorize SCI or anyone it may properly designate to insert in this ASSIGNMENT & AGREEMENT the filing date and serial number of the above listed application(s) when ascertained. More than one counterpart of this ASSIGNMENT & AGREEMENT may be executed, each of which will be deemed an original.

私は、要求された場合、私が、SCI に請求する ことなく、全ての文書に署名をし、全ての正 当な宣誓をし、SCI 又はその使命者が所有権を 受けるため、及び全ての国々での特許権を、 確保、維持、実行するため必要である、望ま しい、又は便宜的であろう全ての行為を行う ことに同意する。

私は、私が、ここにおいて売却され、譲渡さ れる全ての権利、所有権、利益を行う完全な 権利を保有し、ここにおいて譲渡される特許 権は、SCI以外のいずれの者に対して、事前の 契約、許諾、抵当権、ライセンス又はその他 いかなる負担が無いことを表明し、保証す る。私は、私が、今後、SCI以外のいずれの者 に対しても特許権の一部を譲渡しないこと、 又は、本譲渡及び契約書に抵触するものは如 何なること行なわないことを誓約し、保証す る。

私は、確認できる場合、上記にリストされた 申請の申請日及びシリアル番号を本譲渡及び 契約書に記入することを、SCI又は適切に指定 することができる何れかの者に対し、許可す るものとする。本譲渡及び契約書の副本 1 通 以上で締結することができ、それぞれは、原 本とみなされるものとする。

2/3ページ

Doc#: 150603v1

## PATENT REEL: 047775 FRAME: 0417

ASSIGNMENT & AGREEMENT ONS02993US

By (Inventor signature): 署名欄 (発明者の署名):	(Centoro	Jyoshi			
Kentaro Iyoshi					
Witnessed by (Witness signatu 立会人書名欄(立会人の署名	,	Honda			
Printed name of Witness: 立会人の活字体氏名:	lwao	Honda			
Signed and Witnessed on (dat 署名及び認証日:	≥): December	-, 1, 2018			

RECORDED: 12/14/2018