## 503873978 06/16/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TAKAO SAITOH	05/31/2016
SEIJI KANEKO	05/31/2016
YOHSUKE KANZAKI	05/31/2016
YUTAKA TAKAMARU	05/18/2016
KEISUKE IDE	05/16/2016
TAKUYA MATSUO	06/07/2016
SHIGEYASU MORI	05/15/2016
HIROSHI MATSUKIZONO	06/07/2016

#### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15039118

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	IZUMI SLATE
SIGNATURE:	/PMM/is/

PATENT 978 REEL: 038926 FRAME: 0314

503873978

<b>DATE SIGNED:</b> 06/14/2016		
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6		
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PATENT REEL: 038926 FRAME: 0315

### Attorney Docket No.:

# ASSIGNMENT AND DECLARATION FOR PATENT APPLICATION (37 CFR 1.63)

# 特許出願宣言付き譲渡書(37 CFR 1.63)

# Japanese Language Assignment and Declaration

私は下記に記載の発明者/譲渡人として以下の通り宣言します。	As a below named INVENTOR/ASSIGNOR, I hereby declare that:	
本宣言付き譲渡書は以下に関します。	This assignment and declaration is directed to:	
□ 添付の出願、または	The attached application, or	
□年_月_日に出願された米国出願あるいは	☐ United States Application or PCT International Application	
PCT 国際出願番号	Number PCT/JP2014/072298 filed on August 26, 2014.	
本出願の名称は以下の通りです。	The application is titled:	
entertain and another in the state of the st	SEMICONDUCTOR DEVICE	
上記に明示された出願は私が作成した、または作成を許可し たものです。	The above identified application was made or was authorized to be made by me. $ \\$	
私は、私が本出願内で請求されている発明の最初の発明者、 または最初の共同発明者であると信じます。	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
私は本宣言付き譲渡書の提出に関わる出願の内容を検討し、 理解しています。	I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.	
私は37 CFR 1.56 に定義される特許性に肝要な私の知るすべての情報について当局に開示する義務があることを認識しています。	I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.	
本書以降で譲渡人と呼ばれる上記に署名した発明者である私は、上記で特定される本出願に記載する特定の発明をしているため、また、	Whereas, I/We, the undersigned inventor(s) hereinafter called ASSIGNOR(S), have invented certain inventions described in the application identified above; and	
の(譲受人)は本出願および本発明に対する全ての権利、権原、および利益、ならびに当該出願および発明に対して得られる米国内、およびすべての外国で交付される特許証の取得を希望しているため、	Whereas, Sharp Kabushiki Kaisha of 22-22, Nagaike-cho, Abeno- ku, Osaka-shi, Osaka 545-8522 Japan, (ASSIGNEE(S)), desires to acquire the entire right, title, and interest in the application and invention, and any Letters Patent that may be granted therefore in the United States and in any and all foreign countries;	
それゆえ、譲受人から譲渡人への1ドル(\$1,00)の支払いおよびその他の有価約因に基づき、その受領をここに確認したうえで	Now therefore, in consideration of the payment by ASSIGNEE(S) to ASSIGNOR(S) of the sum of One Dollar (\$1.00) and for other valuable consideration, receipt whereof is hereby acknowledged,	

譲渡人は、本書により、譲受人、その後継者および継承人に 対して、すべての分割出願および継続出願を含めて、アメリ カ合衆国の本出願およびそこに開示された発明に対する全て の権利、権原および利益(その後の改正を含むパリ国際協定 (1883)の下、又はその他の関係する国際条約および国際協 定の下でのすべての権利を含む)、ならびに同出願および発 明に対して交付された米国特許証およびその全ての再発行を 売却、譲渡および移転します。

譲渡人は、本書により、本譲渡書および販売に抵触する譲渡、販売、契約および債務の成立および締結が行われないことを契約します。

譲渡人は、本書により、譲受人から依頼があった場合、譲渡 人が知り縦覧できる、当該出願、発明、および特許証にかか わる適切な事実および資料を譲受人に提供し、譲受人が必要 とみなすすべての資料に追加の対価を得ることなく署名し、 これに関連するいかなる干渉および訴訟において証言するこ とに同意します。

私は本宣言付き譲渡書において故意になされた一切の虚偽の 陳述が18 USC 1001 に基づき罰金あるいは5年以下の拘禁ま たは両方による処罰にあたることに同意します。 ASSIGNOR(S) hereby sell, assign, and transfer to ASSIGNEE(S), its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including all rights under the International Convention of Paris (1883) as amended, or other relevant International Treaties and Arrangements.

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR(S) hereby agree(s), when called upon to do so by the ASSIGNEE(S), to provide ASSIGNEE(S) with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNOR(S); to sign without further consideration all papers deemed necessary by the ASSIGNEE(S); and to testify as to the same in any interference or litigation related thereto.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

The assignment and declaration is an accurate translation of the corresponding English language assignment and declaration.

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LEGAL NAME (	OF FIRST INVENTOR/ASSIGNOR		
第1の発明者	/譲渡人の正式氏名		
Inventor:		Date:	
発明者:	Takao SAITOH	目付:	May 31, 2016
Signature:		### A MAN PROPERTY OF THE PROP	and the state of t
署名:	Takao Saitoh		
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LEGAL NAME O	OF SECOND INVENTOR/ASSIGNOR		
	/譲渡人の正式氏名		
Inventor:	/ 神経が入く。 プロアクログンゴ	Date:	
発明者:	Seiji KANEKO		11. 21 2.1
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Signature:	Sitji Kanko		1
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LEGAL NAME O	OF THIRD INVENTOR/ASSIGNOR		
第3の発明者	/譲渡人の正式氏名		
Inventor:		Date:	
発明者:	Yohsuke KANZAKI	日付: /	May 31 2016
Signature:		response the extension to the contract of the	
署名:	Ygsake Kanzaki		
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LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	
第4の発明者/譲渡人の正式氏名	
Inventor:	Date:
発明者: Yutaka TAKAMARU	日付:
Signature: 署名:	
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LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
第5の発明者/譲渡人の正式氏名	
Inventor:	Date:
発明者: Keisuke IDE	日付:
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第6の発明者/譲渡人の正式氏名	
Inventor:	Date:
発明者: Takuya MATSUO	目付: June 7, 2016
Signature: Taknya Matsud	
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第7の発明者/譲渡人の正式氏名 Inventor:	Date:
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発明者: Shigeyasu MORI   Signature:	Constitution of the Consti
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LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	TO THE CONTROL OF THE
第8の発明者/譲渡人の正式氏名	
Inventor:	Date: 7 7 - 0/6
発明者: Hiroshi MATSUKIZONO	19de: June 7, 2016
Signature: Mataulinam	

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第4の発明者/譲	渡人の正式氏名	
Inventor:		Date:
発明者:	Yutaka TAKAMARU	目付:
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	IFTH INVENTOR/ASSIGNOR	
第5の発明者/譲	渡人の正式氏名	_
Inventor:		Date:
発明者:	Keisuke IDE	目付: May 16.2016
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LEGAL NAME OF S	IXTH INVENTOR/ASSIGNOR	
第6の発明者/譲	渡人の正式氏名	
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発明者:	Takuya MATSUO	日付;
Signature:		
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LEGAL NAME OF S	EVENTH INVENTOR/ASSIGNOR	
第7の発明者/譲	渡人の正式氏名	
Inventor:		Date:
発明者:	Shigeyasu MORI	目付:
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第8の発明者/譲	渡人の正式氏名	
Inventor:		Date:
発明者:	Hiroshi MATSUKIZONO	<b>目付:</b>
Signature:		
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LEGAL NAME OF FOURTH		
第4の発明者/譲渡人の	)正式氏名	
Inventor:		Date: May 18,2016
発明者:	Yutaka TAKAMARU	
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LEGAL NAME OF FIFTH IN		
第5の発明者/譲渡人の	)正式氏名	
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発明者:	Takuya MATSUO	日付*
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発明者:	Shigeyasu MORI	日付:
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第8の発明者/譲渡人の	)正式氏名	
Inventor:		Date:
発明者:	Hiroshi MATSUKIZONO	目付:
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LEGAL NAME OF FOURTH INVENTOR/ASSIGN	OR
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発明者: Yutaka TAKAMA	RU AND
Signature:	
署名:	
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	
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Inventor:	Date:
発明者: Keisuke IDE	目付:
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LEGAL NAME OF SEVENTH INVENTOR/ASSIG	NOB
第7の発明者/譲渡人の正式氏名	
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発明者: Shigeyasu MORI	目付: 15 May 26/6
署名: Shigey	an Movi
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LEGAL NAME OF EIGHTH INVENTOR/ASSIGN	UK
第8の発明者/譲渡人の正式氏名	Date;
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発明者: Hiroshi MATSUk Signature:	ILUNO H   11
Signature: 显之。	