#### 502333633 05/02/2013

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Hidehiro Akahori	04/16/2013

#### **RECEIVING PARTY DATA**

Name:	Yazaki Corporation
Street Address:	4-28, Mita 1-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	108-8333

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13883222

#### CORRESPONDENCE DATA

Fax Number: 7035190137

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 703-778-6607

Email: mkishimoto@kviplaw.com
Correspondent Name: KENEALY VAIDYA LLP

Address Line 1: 515 EAST BRADDOCK RD SUITE B

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	5035-0033
NAME OF SUBMITTER:	David J. Kenealy
Signature:	/david j. kenealy/
Date:	05/02/2013

#### Total Attachments: 3

source=Executed\_Assigment\_for\_11P5099US#page1.tif source=Executed\_Assigment\_for\_11P5099US#page2.tif source=Executed\_Assigment\_for\_11P5099US#page3.tif

> PATENT REEL: 030339 FRAME: 0711

OP \$40.00 13883222

# Assignment

# 譲渡証

Japanese Language Assignment

(1) Hidehiro AKAHORI (2) (3) (4) (5) (6) (7) (8)  および他の適望な有無約因を考慮して、各々の署名人は	(1-8)	Insert Name(s) of Inventor(s) 発明者の氏名を記入すること	
(4) (5) (6) (7) (8) (8)  名々の署念人に対して支払われた総額 1 ドル (\$1.00) および他の適切な有価約因を考慮して、各々の署名人は (\$1.00) and other good and valuable consideration each of the undersigned, each undersigned assign, and hereby does assign, transfer and set (9) Insert Name of Assignee  議後人氏名を記入すること (9) Yazaki Corporation (16) Insert Address of Assignee  議後人氏子を記入すること (10) 4-28、所述 1-chome, Minato-ku, Tokyo 108-8333, Japan (以降議役人と称する)に対して、議議に同意し、ここに 議後し、米陽法第35 章第 100 条に定義されるごとく、こ の発明および彼出願、表授出職、分割出職、総統出版、 国際出願、差替之出願、及び再発行出 馬 発行証、再発音 親児に関するすべての特許証、延長証、再発行証、再発音 就会主他特許のためのすべての権利、所有権、および利益を譲役 人の継承人、後継者、被議後者、および社定代理人に移 転記まび厳議し、 (11) Insert Identification such as Title, Case Number, or Foreign Application Number  柔明の名象、事件書号、もしくは外国出願番号	(1)	000 (70000 700) - 1000000000000000000000000000000000	
(4) (5) (6) (7) (8)	(2)		
(5) (6) (7) (8) (8) (8) (8) (9) Insert Name of Assignee 議委人氏名を配入すること (9) Yazaki Corporation (16) Insert Address of Assignee 議委人任所を配入すること (10) 4-28、Mita I-chome, Minato-ku, Tokyo 108-8333, Japan (以降議委人と考する)に対して、議議に同意し、ここに議議し、米医差第35章第100条に定義されるごとく、この発明および優出顧、非仮出顧、分割出職、総縁出版、監督上出願、及び再発行出題、および前記発明に関するすべての特許証、延長証、再発行証、再等意証を含む特許のための全ての出題において、アメリカ合衆国のためのすべての権利、所有権、および利益を譲受人の総承人、後継者、被議該者、および法定代理人に移転および議議し、 (11) Insert Identification such as Title, Case Number, or Foreign Application Number 秦明の名教、李件書号、もしく社外国出題番号	(3)		
(8)  名々の署名人に対して支払われた総額 1 ドル (\$1.00) および他の激弱な有価約因を考慮して、各々の署名人は (\$1.00) and other good and valuable consideration each of the undersigned age assign, and hereby does assign, transfer and set (\$1.00) 和 other good and valuable consideration each of the undersigned age assign, and hereby does assign, transfer and set (\$1.00) 和 other good and valuable consideration each of the undersigned, each undersigned age assign, and hereby does assign, transfer and set (\$1.00) 和 other good and valuable consideration each of the undersigned, each undersigned age assign, and hereby does assign, transfer and set (\$1.00) 和 other good and valuable consideration each of the undersigned, each undersigned age assign, and hereby does assign, transfer and set (\$1.00) 和 other good and valuable consideration each of the undersigned, each undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned, each undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned, each undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the unders	(4)		
(3)  名々の署名人に対して支払われた総額 1 ドル (\$1.00) および他の適切な有価約因を考慮して、各々の署名人は および他の適切な有価約因を考慮して、各々の署名人は (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration assign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration of part of each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of part of each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration each of the undersigned agassign, and hereby does assign, transfer a	(5)		
(8) および他の漁園な有価約因を考慮して、各々の署名人は (\$1.00) In consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the undersigned agassign, and hereby does assign, transfer and set to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the valuable fraction assign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration assign, transfer and set to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration assign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration assign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration assign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, and hereby does assign, transfer and set (\$1.00) and hereby does assign, tr	(6)		
日本の署名人に対して支払われた総額 1 ドル (51.00) In consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration of the sum of one dolla (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the undersigned agassign, transfer and set (\$1.00) and other good and valuable consideration to each of the unders	(7)		
名々の署系人に対して又払われた総数 T ア (\$1.00) and other good and valuable considerati to each of the undersigned, each undersigned ag assign, and hereby does assign, transfer and set (9) Insert Name of Assignee	(8)		
<ul> <li>(10) 4-28、Mita 1-chome, Minato-ku, Tokyo 108-8333、Japan</li> <li>(以降譲受人と称する)に対して、譲渡に同意し、ここに譲渡し、米脳法第35 章第 100 条に定義されるごとく、この発明および仮出顧、非仮出顧、分割出額、継続出顧、問際出額、蒸巻え出願、及び再発行出額、および前記発明に関するすべての特許証、延長証、再発行証、再審査証を含む特許のための全ての出願において、アメリカ合衆国のためのすべての権利、所有権、および利益を譲受人の経承人、後継者、被譲渡者、および法定代理人に移転および譲渡し。</li> <li>(11) Insert Identification such as Title, Case Number, or Foreign Application Number 棄明の名称、事件番号、もしくは外国出願番号</li> </ul>	およて (9)	P他の恋認な有価約因を考慮して、各々の著名人は Insert Name of Assignee  該受人氏名を記入すること	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to
(以降譲受人と称する)に対して、譲渡に同意し、ここに 譲渡し、米憲法第35章第100条に定義されるごとく、こ の発明および級出願、非仮出願、分割出願、継続出願、 国際出願、慈絲之出願、及び再発行出願、および前記発 明に関するすべての特許証、延長証、再発行証、再審査 証を含む特許のための全ての出願において、アメリカ合 無国のためのすべての権利、所有権、および利益を譲受 人の継承人、後継者、被譲渡者、および法定代理人に移 転および譲渡し。  (hereinafter designated as the Assignee) and As heirs, successors, assigns and legal representation entire right, title and interest for the United Sta America as defined in 35 U.S.C. §100, in the in and in all applications for patent including any provisional, non-provisional, divisional, conting international, substitute, and reissue application all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as  (11) Insert Identification such as Title, Case Number, or Foreign Application Number 発明の名称、事件番号、もしくは外国出願番号		Insert Address of Assignee	
(以降譲受人と称する)に対して、譲渡に同意し、ここに 譲渡し、米憲法第35 章第100条に定義されるごとく、こ の発明および復出顧、非仮出顧、分割出題、継続出題、 国際出額、窓参え出願、及び再発行出題、および前記発 明に関するすべての特許証、延長証、再発行証、再審査 証を含む特許のための全ての出願において、アメリカ合 衆国のためのすべての権利、所有権、および利益を譲受 人の継承人、後継者、被譲渡者、および法定代理人に移 転および継渡し。  (hereinafter designated as the Assignee) and As heirs, successors, assigns and legal representati entire right, title and interest for the United Sta America as defined in 35 U.S.C. §100, in the in and in all applications for patent including any provisional, non-provisional, divisional, conting international, substitute, and reissue application all Letters Patent, extensions, reissues and reexamination certificates that may be granted invention known as  (11) Insert Identification such as Title, Case Number, or Foreign Application Number 発明の名称、事件番号、もしくは外国出題番号			25
(以降勝支人を称する)に対して、数域にあることく、こ 譲渡し、米窓海第35章第100条に定義されるごとく、この発明および後出願、非仮出願、分割出額、継続出願、 国際出願、蒸修え出願、及び再発行出願、および前記発明に関するすべての特許証、延長証、再発行証、再審査証を含む特許のための全ての出願において、アメリカ合衆国のためのすべての権利、所有権、および利益を譲受人の経承人。後継者、被譲渡者、および法定代理人に移転および譲渡し、  (11) Insert Identification such as Title, Case Number, or Foreign Application Number 発明の名称、事件番号、もしくは外国出願番号	(10)	4-28, Mita 1-chome, Minato-ku, 10kyo 108-0333, 32p	AU
or Foreign Application Number 発明の名称、事件番号、もしくは外国出題番号	譲発際にを国の証券人	し、米国法第35章第100条に定義されることへ、 明および仮出願、非仮出願、分割出額、継続出願、 出願、※終え出願、及び再発行出願、および前記発 関するすべての特許証、延長証、再発行証、再審査 含む特許のための全ての出願において、アメリカ合 のためのすべての権利、所有権、および利益を譲受 継承人、後継者、被譲渡者、および法定代理人に移	reexamination certificates that may be granted on the
		or Foreign Application Number 発明の名称、事件番号、もしくは外国出願番号	
(II) OPERATION UNIT	(11)	OPERATION UNIT	

前記署名人が下記の日付でアメリカ合衆国において特許 出願を履行するものであり、

弁豫士整理器号

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith PATENT

REEL: 030339 FRAME: 0712

- (12) Insert Date of Signing of Application出額に署名する日付を記入のこと
- (12) or
- (13) Alternative Identification for filed applications提出された出額のための代案務認等項
- (13) U.S. application Serial Number 右記の米国出願整理番号で

18/889.222

filed

May 2, 2013

上記日付において提出されたものである。

- 1) 各々の署名人は前記発明のための出願関係 および、継続出願、分割出願、再発行出願およ びこの件に関しての発行する特許において、必 要な全ての誇類を履行することに同意し、譲受 人が必要と思われる、このような出願および特 許に綴しての別途譲渡証を履行することにも同 意する。
- 2) 各々の署名人は、前記発明のための、出願もしくは継続出願、もしくはその分割出願、特許もしくはそれに基づく再発行出願に関して宣言されるインターフェレンスに関して必要な全ての参類を履行することに同意し、証拠取得およびそのようなインターフェレンスを進行するにあたり、いかなる方法においても前記譲受人と協力することに同意する。
- 3) 各々の署名人は、すべての用紙および書類を履行し、国際工業所有権保護協定の 請求もしくは規定もしくは類似協定に関して必 要ないかなる行為を施行することに同意する。
- 4) 各々の署名人は、前記譲受人に対して有効な米国特許の承認を取得し、維持し、もしくは再発行もしくは再審査により、確認するために、必要なすべての積極的な行為を履行することに同意する。
- 5) 各々の署名人は、米国特許商標庁 長宮に前記出顧から発生したすべての米国特許 証を、全ての利益の籤受人としての前記議受人 に対して発行することを許可および請求し、こ こに署名するにおいて、署名人は全ての利益を 籤るためのすべての権利を有し、対立関係にあ る協定を過去に履行することなくもしくは将来 履行しないことを誓約し、この協定が前記譲受 人、籤受人の継承人、後継者、被籤進者、おる び法定代理人に法的義務を負わせるものである ことに同意する。
- 6) 各々の署名人は、この書類の記録 上、米国特許商標庁の規定に従うために、必要 もしくは所望であればこの譲渡証にさらに確認 事項を記入するための権利が (事務所名を下記 に記入)

KENEALY VAIDYA LLP

※務所に付与されていることをここに承認する。

- Each undersigned agrees to execute all
  papers necessary in connection with any application
  and any continuing, divisional or reissue applications
  for the invention, and any patent(s) issuing thereon, and
  also to execute separate assignments in connection with
  such applications and patents as the Assignee may
  deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignce, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of KENEALY VAIDYA LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

PATENT REEL: 030339 FRAME: 0713

証人立ち会いのもとで、	3 Jan	5.00 000m(30.000)	and the second of the second
	KENNEY AND K STOPPE	DOOL 1-1 E.X.	
1927 8 4 4 4 4 4 4 4 4 1 4 1 1 1 1 1 1 1 1 1	35. A.	() 1 105 () 1 4 4 4	オーペーン
ANTON NO POSTED BY MAJORICA, N. C.	-51-W	m 's Brand and brand 1 1	
Application of the second of t	Carrie and Commercial		
の署名が履行される。			
17 1-20-20-314 NRV 4 C / 4 C C / 2			

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 16, 2013 日付	Inventor Signature 発明者署名	<u> Aidehiro</u> Afrikoz Hidehiro AKAHORI	之(SEAL 印	)
Date	Inventor Signature		(SEAL	)
日付	発明者署名		1254	
Date	Inventor Signature		(SEAL FII	)
日付	発明者署名		ove.	
Date	Inventor Signature	* <u>************************************</u>	(SEAL	)
目付	発明者署名		制	
Date	Inventor Signature		(SEAL	)
日付	発明者署名		解	
Date	Inventor Signature		(SEAL	)
日付	発明者署名		制	
Date	Inventor Signature		(SEAL	)
日付	発明者署名		即	
Date	Inventor Signature	<u> </u>	(SEAL	.)
DAG.			印	

PATENT REEL: 030339 FRAME: 0714

**RECORDED: 05/02/2013**