505338326 02/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5385107

		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	DATA			
		Name	Execution Date	
TAKUMI NISHIYAMA 01/17/2019			01/17/2019	
KOSUKE TANAKA 01/18/2019			01/18/2019	
MITSURU KAWASHIM	1A		01/15/2019	
RECEIVING PARTY D	ΑΤΑ			
Name:		BISHI ELECTRIC CORPORATION		
Street Address:	7-3, MA	RUNOUCHI 2-CHOME, CHIYODA-	KU	
City:	ΤΟΚΥΟ			
State/Country:	JAPAN			
Postal Code:	100-831	0		
PROPERTY NUMBER	S Total: 1			
Property Type	e	Number		
Application Number:	-	16326949		
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CORRESPONDENCE	DATA			
CORRESPONDENCE Fax Number:		(703)707-9112		
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Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2:	(be sent to f provided r r r f f f f f f f f	(703)707-9112 <i>the e-mail address first; if that is</i> <i>; if that is unsuccessful, it will be</i> 703 707 9110 mailbox@poszlaw.com POSZ LAW GROUP, PLC 12040 SOUTH LAKES DRIVE SUITE 101		
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PATENT REEL: 048390 FRAME: 0967

本学家会会社、+ 分か学園園立25月間から、観念人としての広の会社区がその相談人、銀旗長、その組の知時代夏人に、米琪長びたの機能に築いて、ド おつき見に、間する金融物能でした。州市協会会議することに会社、講社、大調、大調、大調、 「たち good and valueble consideration the veckyt and accelerate to the ends y appravaly actionoverlaged, the underlighted hereby agree(s) to assain, and hardby ackglingt, satility and transfer(s) to got got and valueble consideration the veckyt and accelerate to the ends y appravaly actionoverlaged, the underlighted hereby agree(s) to assain, and hardby ackglingt, satility and transfer(s) to got got and valueble consideration the veckyt and accelerate to contain inventions known as Segregation to consequently aucossoors, assigns or other legal representations, the units right, tile and interret, in the United States of Anierica, and the territorie, dependencies and possessions, to contain inventions known as Segregation to consequently aucossoors, assigns or other legal representations, the units right, tile and interret, in the United States of Anierica, and the territorie, dependencies and possessions, to contain inventions known as Segregative control accelerate to contain inventions known as Segregative control acceleration to units the United States one clude Investion. Interest and the territories and possessions, to contain inventions known as Segregative control acceleration to units the United States one clude Investion. Interest and the territories and possessions, to contain inventions (Control accelerate to the United States one clude Investion. Interest and the segret acceleration in the United States one clude Investion. Interest and the territories and possession accelerate Investion. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest acteleration porteritor acceleration acceleration and all laters failed to the se	微弦証法上び申請データシート(37 CFR 1.76) を使った実用及び業資金録出業宣告(37 CFR 1.63) ASSIGNMENT and DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
Assignee(s): Defined and specific comportation (#計 Addessignet): 7-3, Merumouchi 2-chorne, Chiyoda-ku, TOKYO 100-8319 Japan as Assignee(s): and corresponding successors, assigns or other logal correstantives, the entire right, tile and interest, in the United States of Aneroda, and its lentitotics, dependencies and possessions, to orbit investions throw as Sego.4%: The of Invention: L:XRWE-0-VYO-XRUE&####500JUBI:L described in an application for Lefters Pater to the United States executed Sego.4%: The of Invention: L:XRWE-0-VYO-XRUE&####500JUBI:L described in an application for Lefters Pater to the United States executed Sego.4%: The of Invention: L:XRWE-0-VYO-XRUE&####500JUBI:L described in an application Soriel No</td><td colspan=4>For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s)</td></tr><tr><td>Addecastes): Addecastes): Addecastes: Addeca</td><td></td><td></td></tr><tr><td>America: and its territories, dependencies and possessions, to certain inventions known as</td><td></td><td>oda-ku, TOKYO 100-8310 Japan</td></tr><tr><td>The of Invention: Refrigeration Cycle Apparatus LEXBURC-0-VTCO.X団登委特許違い出題は、 described in an application for Leftors Patent of the United States executed</td><td>as Assignee(s), and corresponding successors, assigns or other lega America, and its territories, dependencies and possessions, to certain</td><td>ai representatives, the entire right, tille and interest, in the United States of inventions known as</td></tr><tr><td>described in an application for Letters Patent of the United States executed</td><td>Title of Refrigeration C</td><td>yole Apparatus</td></tr><tr><td>Construct data herewith</td><td></td><td>cuted</td></tr><tr><td>the second set and set</td><td></td><td></td></tr><tr><td>Add 電気管 かし記録史人に登録特許認識を発行することな許可、希望します。 本件器 巻着は、夢れに応じて、すべての意想に驚きすること、要は、すべた、東に、本件発明の強張・維持・権利行後のために、また、課受人の権利義後 のために必要となるすべての手級を実行することに含意します。 本件署名 着は、夢れに応じて、うべての登録となること、常知、すべたの国際条約点 び協定に基づく養先権を行き、要求する ことについて、それた教育し、その補償とご認要といるよます。 本件署名 着は、Proz Law Group に対して、この書面の登録に必要、遠償となる追認をすることな許可します。 as well as any and all continuations, divisions, and reissues of sakit application and all Letters Paterts that may be granted therefor. The undersigned tareof(se) and request(e) the United States Commissioner of Paterts that may be granted therefor. The undersigned signed(se), when request(e) to United States Commissioner of Paterts and Trademarks to issue said Letters Paterts that may be granted therefor. The undersigned signed(se), when request(e) to United States Commissioner of Paterts and Trademarks to issue said Letters Paterts that may be granted therefor. The undersigned signed(se), when request(e) to said inventions, as may be freeseary in contraction with said application. The undersigned state(se), when request(e) to said inventions, as may be recessary in contraction with said application. The undersigned state(se), Paterts that and trading in respect of said inventions, as may be recessary in contraction with said application. The undersigned state(se), Paterts that and tradings in provide and therefor. The secondarian of this document. TEX United States application, or declaration is directed to: X Agents 21, 2015 X United States application, or He above-identified application or PCT international application number <u>PCTKIP2016K082120</u> field on <u>Cetaber 28, 2016</u> LEO Above-identified application vas made or authorized is above identified application or an original joint inventor of a claimed inventor of an original joint inventor of a claimed inventor of a claimed inventor of an authorized is above-identified application or an original joint inventor of a claimed invention in the application. X agg claim is inventor or an original joint inventor of a claimed invention in the application. X</td><td>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</td><td>•</td></tr><tr><td>下記集閉者である私は、つぎのことがらを宣誓します。 STATEMENT OF ACCURATE TRANSLATION IN As the below named inventor, I hereby declare that: Accordance with 37 C.F.R. §1.69(b) This 素付されている、あるいは 本宣誓は 素付されている、あるいは This The attached application, or is directed to: XIIII MILLING Control Control</td><td colspan=3> 商標局長官が上記識受人に登録特許証を発行することを許可、希望します。 本件簽名者は、要求に応じて、すべての書面に签名すること、签約すること、更に、本件発明の確保・維持・権利行使のために、また、譲受人の権利総派のために必要となるすべての手続を実行することに含意します。 本件簽名者は、本件出題に関連して必要となった際に、上記識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。 本件卷名者は、Posz Law Group に対して、この審面の登録に必要・遂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 tille 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 treated is in respect of said inventions, as may be necessary in connection with said application. </td></tr><tr><th>本意蓄は This declaration is directed to: 強付されている、あるいは The situched application, or Gaussing Way Autorsi 21, 2015 Date *X園出額は United States application or PCT international application number <u>PCT/JP2015082120</u> filed on <u>October 28, 2018</u> Lt2の出額は私自身、あるいは私が橡園を接与したものによって行われたものです。 The above-identified application was made or authorized to be made by me. 私は本出顧書中にあらわれるもともとの発明者、あるいはもともとの共同発明者です。 I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. 本宣誓書において故意に虚偽の申し立てを行った場合は 18 U.S.C. 1001 より、罰金あるいは最高五(5)年の素固刑、あるいはその両方による罰則の 対象となることを認めます。 i hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not</th><th>下記発明者である私は、つぎのことがらを宮蓋します。</th><th>ACCORDANCE WITH 37 C.F.R. §1.69(b) The English text appearing below the corresponding Japanese text in the Declaration portion of the present form is an acourste translation</th></tr><tr><td>is directed to: 米国出額はとして出録されているものに発てられています。 United States application or PCT international application number <u>PCTUP2018082120</u> filed on <u>Ontober 28, 2018</u> 上記の出願は私自身、あるいは私が接限を接与したものによって行われたものです。 The above-identified application was made or authorized to be made by me. 私は本出顧書中にあらわれるもともどの発明者、あるいはもともどの共同発明者です。 I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. 本容繁愛において教意に虚偽の中し立てを行った場合は、18 U.S.C. 1001 より、罰金あるいは最高五(5)年の薬園剤、あるいはその両方による新劇の 対象となることを認めます。 I hereby acknowledge that any willful false statement made in this deciaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not</td><td>This The attached application or</td><td>Savonii Walt</td></tr><tr><td>The above-identified application was made or authorized to be made by me. 私は本出顧客中にあらわれるもともとの発明者、あるいはもともとの共同発明者です。 I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. 本賞客餐において教意に虚偽の申し立てを行った場合は 18 U.S.C. 1001 より、罰金あるいは最高五(5)年の薬園剤、あるいはその両方による新劇の 対象となることを認めます。 I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not</td><td colspan=3>is directed to: 米園出額は に出線影響号 として出録されているものに宛てられています。</td></tr><tr><td>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. 本宣誓書において故意に虚偽の申し立てを行った場合は 18 U.S.C. 1001 より、罰金あるいは最高五(5)年の薬園剤、あるいはその両方による新劇の 対象となることを認めます。 I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not</td><td colspan=3></td></tr><tr><td>対象となることを認めます。 I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not</td><td colspan=3></td></tr><tr><td></td><td colspan=3>対象となることを説的ます。</td></tr><tr><td></td><td></td><td>sometten i te prariteri terrater de la coloci da la la população de la terrateria de registra de la roc</td></tr></tbody></table>			

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POSZ LAW GROUP, PLC SEPTEMBER 2013

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著·名: Signature:	Takumi Nishiyama	業後日: Date:	January 17, 2019
第1発明者: First Inventor:	Name: Takumi NISHIYAMA		
著名: Signature: 第2発明者: Second Inventor:		署名日; Date:	
	Name: Kosuke TANAKA		
著名: Signature:	·	署名日) Date:	
第3 発明者: Third Inventor:	Name: Mitsuru KAWASHIMA		······································
署名: Signature:		®≪s ⊟ : Date:	
集4 発明者: Fourth inventor:	Name:		
署名: Signature:		署·名 日): Date:	
第 5 発明者: Fifth Inventor:	Name:	2	
署名: Signature:		署名日: Date:	
第6希明者: Sixth Inventor:	Name:		
署名: Signature:		∰& ⊟∶ Date:	:
第7	Name:		
著名: Signature: 第 8		署名曰: Date:	
	Name:		,
署名: Signature: 第 9		₩ 徐 曰 : Date:	
	Name:		

PATENT REEL: 048390 FRAME: 0968

PATENT REEL: 048390 FRAME: 0969

本学家会会社、+ 分か学園園立25月間から、観念人としての広の会社区がその相談人、銀旗長、その組の知時代夏人に、米琪長びたの機能に築いて、ド おつき見に、間する金融物能でした。州市協会会議することに会社、講社、大調、大調、大調、 「たち good and valueble consideration the veckyt and accelerate to the ends y appravaly actionoverlaged, the underlighted hereby agree(s) to assain, and hardby ackglingt, satility and transfer(s) to got got and valueble consideration the veckyt and accelerate to the ends y appravaly actionoverlaged, the underlighted hereby agree(s) to assain, and hardby ackglingt, satility and transfer(s) to got got and valueble consideration the veckyt and accelerate to contain inventions known as Segregation to consequently aucossoors, assigns or other legal representations, the units right, tile and interret, in the United States of Anierica, and the territorie, dependencies and possessions, to contain inventions known as Segregation to consequently aucossoors, assigns or other legal representations, the units right, tile and interret, in the United States of Anierica, and the territorie, dependencies and possessions, to contain inventions known as Segregative control accelerate to contain inventions known as Segregative control acceleration to units the United States one clude Investion. Interest and the territories and possessions, to contain inventions known as Segregative control acceleration to units the United States one clude Investion. Interest and the territories and possessions, to contain inventions (Control accelerate to the United States one clude Investion. Interest and the segret acceleration in the United States one clude Investion. Interest and the territories and possession accelerate Investion. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest acteleration porteritor acceleration acceleration and all laters failed to the se	微弦証法上び申請データシート(37 CFR 1.76) を使った実用及び業資金録出業宣告(37 CFR 1.63) ASSIGNMENT and DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
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POSZ LAW GROUP, PLC SEPTEMBER 2013

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署名: Signature: 第1 発明者: First inventor:		(※※ 号) Dete:
	Name: Takumi NISHIYAMA	
等名: Signature: 第2	Korenke Tamka	Dete: Jaunery 18, 2019
	Name: Kosuke TÀNAKA	
署名: Signature:		》条 日: Dets:
第3発明者: Third Inventor	Name: Mitsuru KAWASHIMA	
署名: Signature:	47	※※日: Dete.
第4 発明者: Fourth Inventor:	Name:	······································
署名: Signature:		% 条日: Dete.
第5条明者: Fifth Inventor:	Name:	
寄名: Signature:		署名曰: Date:
第 6 希明者: Sixth Inventor:	Name:	
署名: Signature: 第 7 発明者: Seventh Inventor:	×	₩% B : Dete:
	Name:	••••••••••••••••••••••••••••••••••••••
署名: Signature: 蔡 8	х	₩45 B ; Date:
	Name:	
署名: Signature: 第 9 発明者: Ninth Inventor:		※冬日: Date:
	Name:	

PATENT REEL: 048390 FRAME: 0970

PATENT REEL: 048390 FRAME: 0971

本学家会会社、+ 分か学園園立25月間から、観念人としての広の会社区がその相談人、銀旗長、その組の知時代夏人に、米琪長びたの機能に築いて、ド おつき見に、間する金融物能でした。州市協会会議することに会社、講社、大調、大調、大調、 「たち good and valueble consideration the veckyt and accelerate to the ends y appravaly actionoverlaged, the underlighted hereby agree(s) to assain, and hardby ackglingt, satility and transfer(s) to got got and valueble consideration the veckyt and accelerate to the ends y appravaly actionoverlaged, the underlighted hereby agree(s) to assain, and hardby ackglingt, satility and transfer(s) to got got and valueble consideration the veckyt and accelerate to contain inventions known as Segregation to consequently aucossoors, assigns or other legal representations, the units right, tile and interret, in the United States of Anierica, and the territorie, dependencies and possessions, to contain inventions known as Segregation to consequently aucossoors, assigns or other legal representations, the units right, tile and interret, in the United States of Anierica, and the territorie, dependencies and possessions, to contain inventions known as Segregative control accelerate to contain inventions known as Segregative control acceleration to units the United States one clude Investion. Interest and the territories and possessions, to contain inventions known as Segregative control acceleration to units the United States one clude Investion. Interest and the territories and possessions, to contain inventions (Control accelerate to the United States one clude Investion. Interest and the segret acceleration in the United States one clude Investion. Interest and the territories and possession accelerate Investion. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest and the territories and possession accelerate the territor of the segret acceleration. Interest acteleration porteritor acceleration acceleration and all laters failed to the se	微弦証法上び申請データシート(37 CFR 1.76) を使った実用及び業資金録出業宣告(37 CFR 1.63) ASSIGNMENT and DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
Assignee(s): Defined and specific comportation (#計 Addessignet): 7-3, Merumouchi 2-chorne, Chiyoda-ku, TOKYO 100-8319 Japan as Assignee(s): and corresponding successors, assigns or other logal correstantives, the entire right, tile and interest, in the United States of Aneroda, and its lentitotics, dependencies and possessions, to orbit investions throw as Sego.4%: The of Invention: L:XRWE-0-VYO-XRUE&####500JUBI:L described in an application for Lefters Pater to the United States executed Sego.4%: The of Invention: L:XRWE-0-VYO-XRUE&####500JUBI:L described in an application for Lefters Pater to the United States executed Sego.4%: The of Invention: L:XRWE-0-VYO-XRUE&####500JUBI:L described in an application Soriel No</td><td colspan=4>For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s)</td></tr><tr><td>Addecastes): Addecastes): Addecastes: Addeca</td><td></td><td></td></tr><tr><td>America: and its territories, dependencies and possessions, to certain inventions known as</td><td></td><td>oda-ku, TOKYO 100-8310 Japan</td></tr><tr><td>The of Invention: Refrigeration Cycle Apparatus LEXBURC-0-VTCO.X団登委特許違い出題は、 described in an application for Leftors Patent of the United States executed</td><td>as Assignee(s), and corresponding successors, assigns or other lega America, and its territories, dependencies and possessions, to certain</td><td>ai representatives, the entire right, tille and interest, in the United States of inventions known as</td></tr><tr><td>described in an application for Letters Patent of the United States executed</td><td>Title of Refrigeration C</td><td>yole Apparatus</td></tr><tr><td>Construct data herewith</td><td></td><td>cuted</td></tr><tr><td>the second set and set</td><td></td><td></td></tr><tr><td>Add 電気管 かし記録史人に登録特許認識を発行することな許可、希望します。 本件器 巻着は、夢れに応じて、すべての意想に驚きすること、要は、すべた、東に、本件発明の強張・維持・権利行後のために、また、課受人の権利義後 のために必要となるすべての手級を実行することに含意します。 本件署名 着は、夢れに応じて、うべての登録となること、常知、すべたの国際条約点 び協定に基づく養先権を行き、要求する ことについて、それた教育し、その補償とご認要といるよます。 本件署名 着は、Proz Law Group に対して、この書面の登録に必要、遠償となる追認をすることな許可します。 as well as any and all continuations, divisions, and reissues of sakit application and all Letters Paterts that may be granted therefor. 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POSZ LAW GROUP, PLC

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	SEFTEMBER	201:

署系: Signature: 第1発明者: First Inventor:		敎術日) Date:
	Name: Takumi NISHIYAMA	×
署名: Signature: 第2 発明者: Second inventor:	\$ 	響名 目∷ Date:
	Name: Kosuke TANAKA	a :
零名: Signature:	Mitsury KAWASHLMA	Date: January 15, 2019
第3 発明者: Third Inventor:	Name: Mitsuru KAWASHIMA	~
著名: Signature:		發茶日: Date:
第4 勞防者: Fourth Inventor:	Name:	·······
署名: Signature:		署名曰: Date:
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## PATENT REEL: 048390 FRAME: 0972