#### 504635136 11/09/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4681854

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOMOHIRO KAJITA	11/02/2017
YUJI NOGUCHI	11/07/2017
TAKEO ASAHI	11/02/2017
HIDEYUKI SUGANUMA	11/06/2017
HIROYUKI HAMASAKI	11/06/2017
TORU SAKAKIBARA	11/01/2017
HIDEOMI IYANAGA	11/06/2017

#### **RECEIVING PARTY DATA**

Name:	AISIN SEIKI KABUSHIKI KAISHA
Street Address:	1, ASAHI-MACHI 2-CHOME
City:	KARIYA-SHI, AICHIKEN
State/Country:	JAPAN
Postal Code:	448-8650

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

Property Type	Number
Application Number:	15807996

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)836-2021

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:** 7038366620

Email: rhoda.mbato@bipc.com

Correspondent Name: BUCHANAN INGERSOLL & ROONEY PC

Address Line 1: P.O. BOX 1404

Address Line 4: ALEXANDRIA, VIRGINIA 22313-1404

ATTORNEY DOCKET NUMBER:	1000409-000640
NAME OF SUBMITTER:	RHODA MBATO
SIGNATURE:	/rhoda mbato/
DATE SIGNED:	11/09/2017

PATENT 504635136 REEL: 044081 FRAME: 0858

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7	
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# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	VALVE OPENING/CLOSING TIMING CONTROL APPAR	RATUS
As the below named	ed inventor, I hereby declare that:	
This declaration 🖂	∑ The attached application, or	
is directed to:	United States application or PCT international application number	-
The above-identified	ied application was made or authorized to be made by me.	
I believe that I am th	the original inventor or an original joint inventor of a claimed invention	in the application.
(hereinafter referred Aichiken, 448-8650	SIN SEIKI KABUSHIKI KAISHA red to as "ASSIGNEE") having places of business at: 1, Asahi-ma 50 Japan, is desirous of acquiring the entire right, title and interest in ters Patent that may be granted therefore in the United States and its ter in countries;	and to said invention and
acknowledged, and said ASSIGNEE, th and in all foreign co other relevant Inter- interest in and to a	EFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the dot for other good and valuable consideration, I, by these presents do sel the full and exclusive right to the said invention in the United States and countries (including the right to claim priority under the terms of the International Treaties and Arrangements from the aforesaid application) and any and all Letters Patent which may be granted therefor in the United in any and all foreign countries and in and to any and all division renewals thereof.	I, assign and transfer unto d its territorial possessions ernational Convention and d the entire right, title and d States and its territorial
any and all foreign assignce of my enti- (his) successors and	rize and request the Patent Office Officials in the United States and its on countries to issue any and all of said Letters Patent, when granted, attre right, title and interest in and to the same, for the sole use and behand assigns, to the full end of the term for which said Letters Patent mane would have been held by me had this Assignment and sale not been mane would have been held by me had this Assignment and sale not been managed.	to said ASSIGNEE as the of of said ASSIGNEE, its by be granted, as fully and
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
I hereby acknow by fine or imprison	wledge that any willful false statement made in this declaration is punish nment of not more than five (5) years, or both.	able under 18 U.S.C. 1001
LEGAL NAME OF	DF INVENTOR	. ,
Inventor: TOMOI	OHIRO KAJITA Date: Novem	nber 2, 2017
Signature:	omohiro Kajita	

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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As the below name	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
	United States application or PCT international application number filed on	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
(hereinafter referre	IN SEIKI KABUSHIKI KAISHA d to as "ASSIGNEE") having places of business at: 1. Asahi-machi 2-chome, Kariya-shi, D Japan , is desirous of acquiring the entire right, title and interest in and to said invention and restrict that may be granted therefore in the United States and its territorial possessions and in countries;	
acknowledged, and said ASSIGNEE, th and in all foreign of other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignee of my enti- (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
by fine or imprisonn	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME OF		
Inventor: YUJI NO	OGUCHI Date: November 2.2017	
Signature:	i Nogachi	

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	VALVE OPENING/CLOSING TIMING CONTROL APPARATUS	
As the below name	d inventor, I hereby declare that:	
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international application number	
The above-identifie	d application was made or authorized to be made by me.	
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(hereinafter referre	IN SEIKI KABUSHIKI KAISHA  d to as "ASSIGNEE") having places of business at:   1, Asahi-machi 2-chome, Kariya-shi,  2 Japan , is desirous of acquiring the entire right, title and interest in and to said invention and  3 Patent that may be granted therefore in the United States and its territorial possessions and in  4 countries;	
acknowledged, and said ASSIGNEE, the and in all foreign co other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto ne full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
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I hereby acknow by fine or imprison	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME OF	FINVENTOR	
Inventor: HIDEY	UKI SUGANUMA Date: November 6, 2017	
Signature: Hid	exuk: Suganuma	

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	VALVE OPENING/CLOSING TIMING	CONTROL APPARATUS
As the below name	d inventor, I hereby declare that:	4,444,444,4
This declaration 🗵	The attached application, or	
is directed to:	United States application or PCT international filed on	
The above-identifie	ed application was made or authorized to be made	e by me.
I believe that I am t	he original inventor or an original joint inventor	of a claimed invention in the application.
(hereinafter referre Aichiken, 448-8650	O Japan, is desirous of acquiring the entire righter respectively. The property of the property	ness at: 1, Asahi-machi 2-chome, Kariya-shi, ght, title and interest in and to said invention and inited States and its territorial possessions and in
acknowledged, and said ASSIGNEE, the and in all foreign contact other relevant Inter- interest in and to a	for other good and valuable consideration, I, by the full and exclusive right to the said invention is countries (including the right to claim priority unco- national Treaties and Arrangements from the after any and all Letters Patent which may be granted any and all foreign countries and in and to	OLLARS (\$5.00), the receipt whereof is hereby y these presents do sell, assign and transfer unto n the United States and its territorial possessions der the terms of the International Convention and oresaid application) and the entire right, title and d therefor in the United States and its territorial any and all divisions, reissues, continuations,
any and all foreign assignee of my enti (his) successors and	countries to issue any and all of said Letters I ire right, title and interest in and to the same, for	Patent, when granted, to said ASSIGNEE as the rethe sole use and behoof of said ASSIGNEE, its said Letters Patent may be granted, as fully and not and sale not been made.
respecting said inv continuation, substi- all of said Letters possible to aid said	vention, and testify in any legal proceeding, itute, renewal and reissue applications, execute a Patent to be issued to said ASSIGNEE, make	its (his) representatives any facts known to me sign all lawful papers, execute all divisional, all necessary assignment papers to cause any and all rightful oaths, and, generally do everything to obtain and enforce proper protection for said my and all foreign countries.
by fine or imprison	ment of not more than five (5) years, or both.	is declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	FINVENTOR	
Inventor: HIROY		Date: November 6.2017
Signature: Hir	oyuki Hamasaki	

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	VALVE OPENING/CLOSING TIMING CONTROL APPARATUS	
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This declaration 🗵	☐ The attached application, or	
is directed to:	United States application or PCT international application number filed on	
The above-identifie	fied application was made or authorized to be made by me.	
I believe that I am t	n the original inventor or an original joint inventor of a claimed invention in the app	lication.
(hereinafter referre	AISIN SEIKI KABUSHIKI KAISHA  rred to as "ASSIGNEE") having places of business at: 1. Asahi-machi 2-che 650 Japan , is desirous of acquiring the entire right, title and interest in and to sa tters Patent that may be granted therefore in the United States and its territorial po- gn countries;	id invention and
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	EFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt ward for other good and valuable consideration, I, by these presents do sell, assign a the full and exclusive right to the said invention in the United States and its territoral countries (including the right to claim priority under the terms of the International ternational Treaties and Arrangements from the aforesaid application) and the entire any and all Letters Patent which may be granted therefor in the United States as in any and all foreign countries and in and to any and all divisions, reissue renewals thereof.	and transfer unto orial possessions Convention and re right, title and and its territorial
any and all foreign assignee of my ent (his) successors an	orize and request the Patent Office Officials in the United States and its territorial ign countries to issue any and all of said Letters Patent, when granted, to said Alentire right, title and interest in and to the same, for the sole use and behoof of said and assigns, to the full end of the term for which said Letters Patent may be granged would have been held by me had this Assignment and sale not been made.	SSIGNEE as the
respecting said in continuation, substiall of said Letters possible to aid said	the that I will communicate to said ASSIGNEE or its (his) representatives any faction, and testify in any legal proceeding, sign all lawful papers, execute stitute, renewal and reissue applications, execute all necessary assignment papers are Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally aid ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper producted States and its territorial possessions and in any and all foreign countries.	e all divisional, to cause any and
by fine or imprison	owledge that any willful false statement made in this declaration is punishable under onment of not more than five (5) years, or both.	r 18 U.S.C. 1001
LEGAL NAME OF	OF INVENTOR	
Inventor: TORU	U SAKAKIBARA Date: Nov. 1, 20	17
Signature: Top	oru Sakakibara	

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This declaration   The attached application, or	
is directed to:	United States application or PCT international application number
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, AISIN SEIKI KABUSHIKI KAISHA (hereinafter referred to as "ASSIGNEE") having places of business at: 1, Asahi-machi 2-chome, Kariya-shi, Aichiken, 448-8650 Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;	
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	
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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 more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
Inventor: HIDEO	MI IYANAGA Date: November 6.2017
Signature:	vembe Hideomi Iyanaga
H.I. 2017. 11.6	
v - · .	·

PATENT REEL: 044081 FRAME: 0866

**RECORDED: 11/09/2017**