# 504876161 04/19/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4922901

SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY D	ATA					
		1	Name			Execution Dat
NAOKI MASUDA						03/21/2018
ΤΟΜΟΗΙΤΟ ΑΚΙΥΑΜΑ						03/21/2018
SHUHEI NIIMURA						04/02/2018
TAIGA FUCHINO						03/21/2018
TETSUYA TADOKORO						03/28/2018
MASATSUGU CHIKANO						03/22/2018
RECEIVING PARTY DA						
Name:	-	HI-JOF	INSON CONTROLS A			INC.
Street Address:	16-1, K	AIGAN	I 1-CHOME MINATO-	KU,		
City:	TOKY	ТОКҮО				
		JAPAN				
State/Country:	JAPAN	١				
State/Country: Postal Code:	105-00					
Postal Code: PROPERTY NUMBERS	105-00	)22	Numbor			
Postal Code: PROPERTY NUMBERS Property Type	105-00	022	Number			
Postal Code: PROPERTY NUMBERS	105-00	)22				
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I	105-00 5 Total: 1	)22   	399			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: Correspondence will b	Total: 1 5 Total: 1 0 ATA	)22 15769 (703)6 o the e	399 84-1157 <b>-mail address first; ii</b>			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i>	Total: 1 5 Total: 1 0 ATA	)22 15769 (703)6 o the e d; if tha	399 84-1157 -mail address first; if at is unsuccessful, it			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will k</i> <i>using a fax number, if</i> Phone:	Total: 1 5 Total: 1 0 ATA	(703)6 (703)6 o the e d; if tha 703-68	399 584-1157 <b>-mail address first; ii</b> at is unsuccessful, it 34-1120			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email:	105-00   S Total: 1   S Total: 2   S Total: 1   S Total: 1	(703)6 (703)6 o the e d; if tha 703-68 svanna	399 84-1157 -mail address first; if at is unsuccessful, it			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will k</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name:	105-00   S Total: 1   S Total: 2   S Total: 1   S Total: 1	(703)6 (703)6 o the e d; if tha 703-68 svanna MATT	399 84-1157 <b>-mail address first; it</b> at is unsuccessful, it 34-1120 arath@mmiplaw.com			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	105-00   S Total: 1   S Total: 2   S Total: 1   S Total: 1	(703)6 (703)6 o the e d; if tha 703-68 svanna MATT	399 884-1157 <b>-mail address first; it</b> at is unsuccessful, it 34-1120 arath@mmiplaw.com INGLY & MALUR, PC DIAGONAL ROAD			
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: Correspondence will b	105-00   S Total: 1   S Total: 2   S Total: 1   S Total: 1	(703)6 (703)6 o the e d; if tha 703-68 svanna MATT 1800 [ SUITE	399 884-1157 <b>-mail address first; it</b> at is unsuccessful, it 34-1120 arath@mmiplaw.com INGLY & MALUR, PC DIAGONAL ROAD	will be ser		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	Total: 1	(703)6 o the e d; if tha 703-68 svanna MATT 1800 [ SUITE ALEX/	399 399 <b>-mail address first; if</b> at is unsuccessful, it 34-1120 arath@mmiplaw.com INGLY & MALUR, PC DIAGONAL ROAD 210	will be ser		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: Correspondence will k using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	105-00 Total: 1	(703)6 o the e d; if tha 703-68 svanna MATT 1800 [ SUITE ALEX/	399 84-1157 <i>-mail address first; if</i> <i>at is unsuccessful, it</i> 34-1120 arath@mmiplaw.com INGLY & MALUR, PC DIAGONAL ROAD 210 ANDRIA, VIRGINIA 22	<b>will be ser</b> 2314		
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE I Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N	105-00 Total: 1	(703)6 o the e d; if tha 703-68 svanna MATT 1800 [ SUITE ALEX/	399 84-1157 <i>-mail address first; if</i> <i>at is unsuccessful, it</i> 34-1120 arath@mmiplaw.com INGLY & MALUR, PC DIAGONAL ROAD 210 ANDRIA, VIRGINIA 22 ISO-11550	will be ser		

504876161

Total Attachments: 6	
source=11550-ASN#page1.tif	
source=11550-ASN#page2.tif	
source=11550-ASN#page3.tif	
source=11550-ASN#page4.tif	
source=11550-ASN#page5.tif	
source=11550-ASN#page6.tif	

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me,

by HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., a corporation organized under the laws of Japan, located at 16-1, Kaigan 1-chome, Minato-ku, Tokyo 105-0022, JAPAN, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

#### SCROLL COMPRESSOR

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said **HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC.**, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignce;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC..

,Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン) Date Signed (署名日)

1) Mark: MASUDA Naoki MASUDA

MAR41 21, 2018

2)	Tomohito	AKI	YAMA
	Tomohi	to AK	IYAMA

March 21,	2018

PATENT REEL: 045584 FRAME: 0695

INVENT	OR(S)
--------	-------

(発明者フルネームサイン)

Date Signed (署名日)

3)	Shuhes WIIMURA	April 2. 2018
	Shuhei NIIMURA	
4)		
	Taiga FUCHINO	
5)		
	Tetsuya TADOKORO	
6) 	Masatsugu CHIKANO	

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me,

by HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., a corporation organized under the laws of Japan, located at 16-1, Kaigan 1-chome, Minato-ku, Tokyo 105-0022, JAPAN, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

#### SCROLL COMPRESSOR

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC...

,Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン) Date Signed (署名日)

Naoki MASUDA

2) \_\_\_\_\_

1)

Tomohito AKIYAMA

#### INVENTOR(S)

(発明者フルネームサイン)

Date Signed (署名日)

3) Shuhei NIIMURA Taiga FUCHINO March 21, 2018 Taiga FUCHINO 4) 5) Tetsuya TADOKORO March 28, 2018 Tetsuya TADOKORO 6)

Masatsugu CHIKANO

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me,

by HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., a corporation organized under the laws of Japan, located at 16-1, Kaigan 1-chome, Minato-ku, Tokyo 105-0022, JAPAN, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

#### SCROLL COMPRESSOR

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said **HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC.**, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignce;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI-JOHNSON CONTROLS AIR CONDITIONING, INC..

,Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン) Date Signed (署名日)

Naoki MASUDA

2) \_\_\_\_\_

1)

Tomohito AKIYAMA

## INVENTOR(S)

### (発明者フルネームサイン)

3)

# Date Signed (署名日)

Shuhei NIIMURA 4) Taiga FUCHINO 5) Tetsuya TADOKORO

6) Masatsugu

March 22, 2018

Masátsugu CHIKANO