## 506159482 07/17/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6206216

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BAITIAN ZHUO	07/06/2020
BIN SHI	07/06/2020
XIUGE LI	07/06/2020
SHAOJIANG CHENG	07/16/2020
RUIGANG ZHANG	07/06/2020
JUN WANG	07/06/2020

## **RECEIVING PARTY DATA**

Name:	QINGDAO HAIER AIR-CONDITIONING ELECTRONIC CO., LTD
Street Address:	HAIER INDUSTRIAL PARK, NO. 1 HAIER ROAD, LAOSHAN DISTRICT
City:	QINGDAO, SHANDONG
State/Country:	CHINA
Postal Code:	266101
Name:	HAIER SMART HOME CO., LTD.
Name: Street Address:	HAIER SMART HOME CO., LTD. HAIER INDUSTRIAL PARK, NO. 1 HAIER ROAD, LAOSHAN DISTRICT
	·
Street Address:	HAIER INDUSTRIAL PARK, NO. 1 HAIER ROAD, LAOSHAN DISTRICT

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

Property Type	Number
Application Number:	16962630

## **CORRESPONDENCE DATA**

**Fax Number:** (703)991-7071

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.

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Correspondent Name: MAIER & MAIER, PLLC

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ATTORNEY DOCKET NUMBER: 06910105US

NAME OF SUBMITTER:	CHRISTOPHER J. MAIER
SIGNATURE:	/Christopher J. Maier/
DATE SIGNED:	07/16/2020
Total Attachments: 6	
source=Assignments#page1.tif	
source=Assignments#page2.tif	
source=Assignments#page3.tif	
source=Assignments#page4.tif	
source=Assignments#page5.tif	
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# DECLARATION AND ASSIGNMENT

Title of Invention:	CONTROL METHOD FOR AIR	CONDITIONER	<u> </u>	
		CLARATION		
As a below named inven This declaration is direct	tor, I hereby declare that:			
_	ched application, or			
		ial application nui	mber _	16/962,630 , filed on <u>July 16, 2020</u>
inventor of a claimed inventor of a claimed inventoring the claims, and is material to patentability	ention in the application. I have real any claim amendments made in the as defined in 37 CFR 1.56.	viewed and unders application. I ac	itood ti knowle	e I am the original inventor or an original joint he contents of the above-identified application, edge the duty to disclose all information which
I hereby acknowledge this imprisonment of not more	nat any willful false statement ma e than five (5) years, or both.	de in this declara	ation i	s punishable under 18 USC 1001 by fine or
	AS	SIGNMENT		
Shandong 266101, China, CONDITIONER (hereinaf July 16, 2020 Se	hereinafter referred to as ASSIGNOR,	am the owner of us which the above a ned by PCT Interna	seful in applica	No. I Haier Road, Laoshan District, Qingdao approvements in CONTROL METHOD FOR AIR tion for United States Letters Patent was filed on: Patent Application No.: filed:
<u>Laoshan District, Qingdac</u> <u>Park, No. 1 Haier Road,</u>	o, Shandong 266101, China; and Ha	nier Smart Home ( ng 26610), China	Co Lt , hereir	ddress is <u>Haier Industrial Park, No. 1 Haier Road,</u> d., whose post office address is <u>Haier Industrial</u> nafter referred to as ASSIGNEES, are desirous of
do sell, assign and transfer	r unto said Assignees, the entire rig	ht, title, and intere	st in a	oy acknowledged, I, Assignor, by these presents nd to said Invention and application throughout on, continuation, continuation-in-part and reissue
maintenance of said applic that may be required to aff without further considerat and information concerni- testimony on behalf of As- any patent application or p	ation or any other patent application ( irm the rights of Assignees in and to  ion and at Assignees' expense, to is  ng the Invention that are within A  signees that lawfully may be require	(s) in the United States said INVENTION, a dentify and communities of ASSIGNOR in the first of this instruments of this instruments.	ates for all with unicate sion or respec nt. As	red in connection with the filing, prosecution and said INVENTION, including additional documents out further consideration. ASSIGNOR also agrees, to ASSIGNEES at ASSIGNEES' request documents control, and to provide further assurances and to fithe prosecution, maintenance and defense of SIGNOR'S obligations under this instrument shall
Patent referred to above to and behoof; and for the us	ASSIGNEES, as the ASSIGNEES of the se and behoof of ASSIGNEES' legal r	e entire right, title : epresentatives and	and int I succe	nd Trademark office to issue any and all Letters erest in and to the same, for ASSIGNEES' sole use ssors, to the full end of the term for which such I by ASSIGNOR had this assignment and sale not
ASSIGNOR authorizes needed to effect its recorda	any member of the firm of Maier & al in the U.S. Patent and Trademark	: Maier, PLLC to it Office.	nsert o	r complete any information in this document
Legal Name of Inventor: _	Baitian ZHUO			
x Baltian Z	Ήυο		X	2020.7.6
Inventor's Signature			Date	

## DECLARATION AND ASSIGNMENT

Title of Invention:	CONTROL METHOD FOR	R AIR CONDITIONE	R		
		DECLARATION			
As a below named inver This declaration is direc	tor, I hereby declare that: ted to:				
	ched application, or States application or PCT intern	national application nu	amber <u>16/962,63</u>	30 , filed on July 16, 2020	_
inventor of a claimed inv including the claims, and	ention in the application. I hav	e reviewed and under	stood the content	e original inventor or an original just of the above-identified applicate of the disclose all information when the disclose all information where the disclose all information are disclosed all information and disclose all information are disclosed all information are disclosed all information and disclose all information are disclosed all information are disclosed all information and disclosed all information are disclosed all informatio	ion,
	hat any willful false statement e than five (5) years, or both.	t made in this declar	ration is punisha	ble under 18 USC 1001 by fine	or
		ASSIGNMENT			
266101, China, hereinaft CONDITIONER (hereina July 16, 2020 S	er referred to as Assignor, a	m the owner of usef t) for which the above ablished by PCT Inter	ul improvements application for U	Laoshan <u>District, Qingdao, Shan</u> in <u>CONTROL METHOD FOR</u> nited States Letters Patent was file- oplication No.:	AIR
Laoshan District, Qingda Park, No. 1 Haier Road,	o, Shandong 266101, China; an	nd <u>Haier Smart Home</u> andong 266101, Chin	Co., Ltd., whose a, hereinafter refe	Hajer Industrial Park, No. 1 Hajer R post office address is Hajer Induserred to as ASSIGNEES, are desiron	strial
do sell, assign and transfe	r unto said Assignees, the entir	re right, title, and inter	rest in and to said	Aledged, I, Assionor, by these presented in the Invention and application through unation, continuation-in-part and research.	hout
maintenance of said appli- that may be required to af- without further considera and information concerni- testimony on behalf of As- any patent application or	cation or any other patent application or any other patent application and at Assignees' expense, and the Invention that are with SIGNEES that lawfully may be re-	ation(s) in the United S and to said INVENTION, , to identify and comm hin ASSIGNOR'S posse equired of ASSIGNOR i terms of this instrum	states for said INVE all without furthe nunicate to ASSIG ssion or control, n respect of the prent. ASSIGNOR'S	nection with the filing, prosecution entron, including additional document consideration. Assignor also agness at Assigness' request documend to provide further assurances cosecution, maintenance and defenobligations under this instrument	nents rees, nents and se of
Patent referred to above to and behoof; and for the u	Assignees, as the Assignees (see and behoof of Assignees' le	of the entire right, title egal representatives as	e and interest in ar	nark office to issue any and all Le nd to the same, for Assignees' sol- the full end of the term for which GNOR had this assignment and sal-	e use such
	s any member of the firm of Ma al in the U.S. Patent and Traden		insert or complete	e any information in this documen	t
Legal Name of Inventor:	Bin SHI				
x	BinSHI		<u>x</u>	2020-76	
Inventor's Signature			Date		

# DECLARATION AND ASSIGNMENT

Title of Invention:	CONTROL METHOD FO	OR AIR CONDITIONER	<b>₹</b>	
-		DECLARATION		
	ntor, I hereby declare that:			
This declaration is direc				
	ched application, or States application or PCT inte	rnational application nu	mber <u>16/962,630</u> , filed on	July 16, 2020
inventor of a claimed invinctuding the claims, and	ention in the application. I ha	ave reviewed and under	believe I am the original investood the contents of the above knowledge the duty to disclos	e-identified application,
	hat any willful false stateme re than five (5) years, or both.		ation is punishable under 18	USC 1001 by fine or
		ASSIGNMENT		
266101, China, hereinaft CONDITIONER (hereina July 16, 2020 S	ier referred to as Assignor, fter referred to as the Invention	am the owner of useful N) for which the above a stablished by PCT Intern	No. 1 Haier Road, Laoshan Dis al improvements in <u>CONTRC</u> application for United States L national Patent Application No.	OL METHOD FOR AIR etters Patent was filed on:
Laoshan District, Qingda Park, No. 1 Haier Road,	o, Shandong 266101, China;	and <u>Haier Smart Home</u> handong 266101, China	office address is <u>Haier Industria</u> <u>Co., Ltd.</u> , whose post office at the precipation as Asses;	ddress is <u>Haier In</u> dustrial
do sell, assign and transfe	er unto said Assignees, the en	tire right, title, and inten	is hereby acknowledged, I, As. est in and to said Invention at y division, continuation, contin	nd application throughout
maintenance of said appli- that may be required to af- without further considera and information concern- testimony on behalf of A- any patent application or	cation or any other patent appli firm the rights of Assignees in tion and at Assignees' expen- ing the Invention that are w SSIGNEES that lawfully may be	cation(s) in the United S: and to said INVENTION, se, to identify and comm ithin ASSIGNOR'S posses required of ASSIGNOR ir se terms of this instrume	the required in connection with the tates for said INVENTION, include all without further consideration unicate to ASSIGNEES at ASSIGNEES at ASSIGNEES or control, and to provide a respect of the prosecution, material. ASSIGNOR's obligations untives.	ling additional documents in. Assignor also agrees, snees' request documents de further assurances and aintenance and defense of
Patent referred to above t and behoof; and for the t	o Assignees, as the Assignee use and behoof of Assignees'	s of the entire right, title legal representatives an	Patent and Trademark office to and interest in and to the same d successors, to the full end of the held by Assignor had this	e, for Assignees' sole use f the term for which such
	s any member of the firm of M dal in the U.S. Patent and Trad		insert or complete any informa	tion in this document
Legal Name of Inventor.	Xiuge LI			
X	XlugeLI		x 20200706	
Inventor's Signature	•		Date	

# DECLARATION AND ASSIGNMENT CONTROL METHOD FOR AIR CONDITIONER **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, or X United States application or PCT international application number 16/962,630, filed on July 16, 2020 The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. Tacknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, I, Shaojiang CHENG, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Qingdao, Shandong 266101, China, hereinafter referred to as Assignor, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the Invention) for which the above application for United States Letters Patent was filed on: July 16, 2020 Serial No.: 16/962.630 : or established by PCT International Patent Application No.: \_\_ Serial No.: 16/962,630 ; or established by PCT International Patent Application No.: \_ designating the United States of America; WHEREAS, Qingdao Haier Air-conditioning Electronic Co., Ltd, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Qingdao, Shandong 266101, China; and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Oingdao, Shandong 266101, China, hereinafter referred to as Assignees, are desirous of acquiring the entire right, title and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEES, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application. ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEES in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEES' expense, to identify and communicate to ASSIGNEES at ASSIGNEES' request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEES that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives. ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters' Patent referred to above to Assignees, as the Assignees of the entire right, title and interest in and to the same, for Assignees' sole use and behoof, and for the use and behoof of Assignees' legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made. ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Legal Name of Inventor: Shaojiang CHENG

<u>Chaoliang</u> Cf

# DECLARATION AND ASSIGNMENT Title of Invention: \_ CONTROL METHOD FOR AIR CONDITIONER DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number $\underline{16/962,630}$ , filed on $\underline{July\ 16},\ 2020$ X The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, I, Ruigang ZHANG, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Qingdao, Shandong 266101, China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on: \_ Serial No.: <u>16/962,630</u>; or established by PCT International Patent Application No.: \_ designating the United States of America; WHEREAS, Qingdao Haier Air-conditioning Electronic Co., Ltd, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Qingdao, Shandong 266101, China; and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Oingdao, Shandong 266101, China, hereinafter referred to as ASSIGNEES, are desirous of acquiring the entire right, title and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEES, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application. ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEES in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEES' expense, to identify and communicate to ASSIGNEES at ASSIGNEES' request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEES that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives. ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to ASSIGNEES, as the ASSIGNEES of the entire right, title and interest in and to the same, for ASSIGNEES' sole use and behoof; and for the use and behoof of ASSIGNEES' legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Legal Name of Inventor: Ruigang ZHANG

x Ruigang ZHANG

Inventor's Signature

# Title of Invention: CONTROL METHOD FOR AIR CONDITIONER

As a below named inventor, I bretby declare that: This declaration is directed to:  The attached application, or United States application or PCT international application number 16/962,630filed on _July 16, 2020  The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed inventor in the application. I have reviewed and understood the contents of the above-identified application inventor of a claimed inventor in the application. I have reviewed and understood the contents of the above-identified application inventor of a claimed inven	DECLARATION
The attached application, or United States application or PCT international application number 16/962,630 filed on July 16,2020  The above-identified application was made or authorized to be made by me. 1 believe 1 am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.  **ASSIGNMENT**  WHEREAS, I, Jun WANG, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Oingdao, Shandong 266101. China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the Investrions) for which the above application for United States Letters Patent was filed on:	
The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.  **ASSIGNMENT**  WHEREAS, I, Jun WANG, whose post office address is Haier Industrial Park, No. I Haier Road, Laoshan District, Olingdao, Shandong 266101, China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL. METHOD FOR AIR CONTITOLEMER (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on:	
inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (3) years, or both.  **ASSIGNMENT**  WHEREAS, I, Jun WANG, whose post office address is Haier Industrial Park, No. I Haier Road, Laoshan District, Oingdao, Shandong 266101, Ching, hereinafter referred to as ASSIGNOR, and the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the Invisarions) for which the above application for United States Letters Patent was filed on July 16, 2020 Serial No. 1.16926.50.; or established by PCT International Patent Application No.:filed: designating the United States of America;  WHEREAS, Gingdao Haier Air-conditioning Electronic Co., Ltd., whose post office address is Haier Industrial Park, No. I Haier Road, Laoshan District, Oingdao, Shandong 266101, Ching, and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. I Haier Road, Laoshan District, Oingdao, Shandong 266101, Ching, and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. I Haier Road, Laoshan District, Oingdao, Shandong 266101, Ching, bereinafter referred to as ASSIGNEES, are desirous of acquiring the entire right, title and interest in and to the same in the United States;  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEES, the entire right, title, and interest in and to said Inventron and application in any other patent application, and the said interest in and to said Inventron, all without for the continuation	
ASSIGNMENT  WHEREAS, I, Jun WANG, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Qingdao, Shandong 266101, China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the Internations) for which the above application for United States Letters Patent was filed on: July 16, 2020 Serial No.: 16/962,630 , or established by PCT International Patent Application No.: filed:	inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.
WHEREAS, I, Jun WANG, whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Oingdao, Shandong 266101. China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the Invention) for which the above application for United States Letters Patent was filed on: July 16, 2020 scral No.: 16/962,630; or established by PCT International Patent Application No.: filed:	imprisonment of not more than five (5) years, or both.
260101. China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on: July 16, 2020 Scrial No.: 16/962,630; or established by PCT International Patent Application No.: filed: designating the United States of America;  WHEREAS, Qingdao Haier Air-conditioning Electronic Co., Ltd., whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Oingdao, Shandong 266101, China; and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Oingdao, Shandong 266101, China, hereinafter referred to as ASSIGNEES, are desirous of acquiring the entire right, title and interest in and to the same in the United States;  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEES, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.  ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filling, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEES in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEES' expense, to identify and communicate to ASSIGNEES' request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEES that lawfully may be required of ASSIGNOR's obligations un	ASSIGNMENT
Laoshan District, Oingdao, Shandong 266101, China; and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. 1. Haier Road, Laoshan District, Oingdao, Shandong 266101, China, hereinafter referred to as Assignes, are desirous of acquiring the entire right, title and interest in and to the same in the United States;  NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said Assignees, the entire right, title, and interest in and to said Invention and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.  ALSO, Assignor hereby agrees to execute any documents that legally may be required in connection with the filling, prosecution and maintenance of said application or any other patent application(s) in the United States for said Invention, including additional documents that may be required to affirm the rights of Assignees in and to said Invention, all without further consideration. Assignor also agrees, without further consideration and at Assignees' expense, to identify and communicate to Assignees at Assignees' request documents and information concerning the Invention that are within Assignor's possession or control, and to provide further assurances and testimony on behalf of Assignees that lawfully may be required of Assignor in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives.  ALSO, Assignor hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to Assignees, as the Assignees of the entire right, title and interest in and to the same, for Assi	266101, China, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in CONTROL METHOD FOR AIR CONDITIONER (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on:  July 16, 2020 Serial No.: 16/962,630; or established by PCT International Patent Application No.: filed:
do sell, assign and transfer unto said ASSIGNEES, the entire right, title, and interest in and to said Invention and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.  ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said Invention, including additional documents that may be required to affirm the rights of ASSIGNEES in and to said Invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEES' expense, to identify and communicate to ASSIGNEES at ASSIGNEES' request documents and information concerning the Invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEES that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.  ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to ASSIGNEES, as the ASSIGNEES' legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.  ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.	Laoshan District, Qingdao, Shandong 266101, China; and Haier Smart Home Co., Ltd., whose post office address is Haier Industrial Park, No. 1 Haier Road, Laoshan District, Qingdao, Shandong 266101, China, hereinafter referred to as ASSIGNEES, are desirous of
maintenance of said application or any other patent application(s) in the United States for said Invention, including additional documents that may be required to affirm the rights of ASSIGNEES in and to said Invention, all without further consideration. Assignor also agrees, without further consideration and at ASSIGNEES' expense, to identify and communicate to ASSIGNEES at ASSIGNEES' request documents and information concerning the Invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEES that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.  ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to ASSIGNEES, as the ASSIGNEES of the entire right, title and interest in and to the same, for ASSIGNEES' sole use and behoof; and for the use and behoof of ASSIGNEES' legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.  ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.	do sell, assign and transfer unto said ASSIGNEES, the entire right, title, and interest in and to said Invention and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue
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Legal Name of Inventor: Jun WANG  X Jun WANG Inventor's Signature  X 2020-7-6 Date	
x Jun WANG Inventor's Signature  x 2020-7-6 Date	Legal Name of Inventor:
Inventor's Signature Date	x Jun WANG x 2020.7.6
	Inventor's Signature Date

PATENT REEL: 053242 FRAME: 0448

**RECORDED: 07/17/2020**