506868407 09/14/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6915229

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONGSHAN WANG	08/09/2021
ZONGRUI CHI	08/09/2021
SHENGBO CHEN	08/09/2021

RECEIVING PARTY DATA

Name:	QINGDAO HAIER WASHING MACHINE CO., LTD.	
Street Address:	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.	
Street Address:	HAIER INDUSTRIAL PARK, NO.1 HAIER ROAD, LAOSHAN DISTRICT	
City:	QINGDAO, SHANDONG	
State/Country:	CHINA	
Postal Code:	266101	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17439041	

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.

Phone: 7037408322

Email: patent@maierandmaier.com **Correspondent Name:** MAIER & MAIER PLLC

345 SOUTH PATRICK STREET Address Line 1: Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	06910136US
NAME OF SUBMITTER:	CHRISTOPHER J. MAIER
SIGNATURE:	/Christopher J. Maier/

PATENT REEL: 057511 FRAME: 0820

506868407

DATE SIGNED:	09/14/2021
Total Attachments: 3	
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source=Assignment#page2.tif	
source=Assignment#page3.tif	

PATENT REEL: 057511 FRAME: 0821

DECLARATION AND ASSIGNMENT

Title of Invention: CROSS BEAM FOR CLOTHING SHAKING DEVICE CLOTHING SHAKING DEVICE AND CLOTHING CARE EQUIPMENT

	THE LAKATION
	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, 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. Dongshan WANG, whose post office address is Hair Industrial Park. No. I Hair Road, Laushan District, Oingdan, Shandong 266101. China, hereinafter referred to as Assisnon, am the owner of useful improvements in CROSS BEAM FOR CLOTHING SHAKING DEVICE AND CLOTHING CARE EQUIPMENT (hereinafter referred to as the Invention) for which the above application for United States Letters Patent was filed on: 17439041 ; or established by PCT International Patent Application No.: filed: designating the United States of America:
	WHEREAS, QINGDAO HAIER WASHING MACHINE 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, Qingdao, Shandong 266101, China, 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 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.
1	ALSO, ASSUMOR 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 ASSIGNOES at ASSIGNOES' request documents and information concerning the INVENTION that are within ASSIGNOE's possession or control, and to provide further assurances and testimony on behalf of ASSIGNOES that tawfully may be required of ASSIGNOE in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOE's obligations under this instrument shall extend to ASSIGNOE's heirs, executors, administrators and other legal representatives.
3	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 Assignment and this assignment and sale not been made.
ž	ASSIGNOR authorizes any member of the firm of Maler & Maler, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.
3	Legal Name of Inventor: <u>Dongshan WANG</u>
	x Dongshan WANG x 2021, 8.9
Yes	nventor's Signature Date

PATENT REEL: 057511 FRAME: 0822

DECLARATION AND ASSIGNMENT

Title of Invention: CROSS BEAM FOR CLOTHING SHAKING DEVICE CLOTHING SHAKING DEVICE AND CLOTHING CARE EQUIPMENT

DECLARATI	<u>0N</u>	
As a below named inventor, I hereby declare that: This declaration is directed to:		
The stracted application, or		
United States application or PCT international application	on number	filed on
The above-identified application was made or authorized to be made by inventor of a claimed invention in the application. I have reviewed an including the claims, and any claim amendments made in the application material to patentability as defined in 37 CFR 1.56.	a metaca and biparterial and	the self-than all and fide and the self-than
I hereby acknowledge that any wiliful faise statement made in this imprisonment of not more than five (5) years, or both.	declaration is punisha	ble under 18 USC 1001 by fine or
ASSIGNMEN		
WHEREAS, I. Zongrui CIII. whose post office address is Haier Industry Shandong 266101. China, hereinafter referred to as Assignor, am the of CLOTHING SHAKING DEVICE AND TO BE SHAKING DEVICE AND TO	When of useful improve ICLOTHING CARE EQ ters Patent was filed on:	ments in CROSS BEAM FOR UIPMENT (bareinafter referred
WHEREAS, <u>QINGDAO HAIER WASHING MACHINE CO., LTD.</u> , w Road, <u>Laoshan District</u> , <u>Oingdao</u> , <u>Shandong 266101</u> , <u>China;</u> and <u>Haier</u> <u>Industrial Park</u> , <u>No.1 Haier Road</u> , <u>Laoshan District</u> , <u>Oingdao</u> , <u>Shandong 266</u> of acquiring the entire right, title and interest in and to the same in the Unit	<u>Smart Home Co., Ltd.</u> i101 China hereinaftern	cubros ment diffing address to Tales
NOW, THEREFORE, for good and valuable consideration, receipt of we do sell, assign and transfer unto said Assigners, the entire right, title, and the United States of America, including any and all Letters Patent granted of said application.	interest in and to said In	was do woods acres bear bear at war
ALSO, Assignor hereby agrees to execute any documents that legally maintenance of said application or any other patent application(s) in the Unit that may be required to affirm the rights of Assigness in and to said Invent without further consideration and at Assigness' expense, to identify and and information concerning the Invention that are within Assignes's prestiment on behalf of Assigness that lawfully may be required of Assign any patent application or patent encompassed within the terms of this instead to Assigners's heirs, executors, administrators and other legal representations.	ted States for said INVENT NON, all without further of communicate to Assignest ossession or control, and OR in respect of the pross rument. Assigning's old	10%, including additional documents onsideration. Assignce also agrees, ES at Assignees' request documents if to provide further assurances and services are provided further assurances.
ALSO, ASSIGNOR hereby authorizes and requests the Director of the UP Patent referred to above to ASSIGNEES, as the ASSIGNEES of the entire right, and behoof, and for the use and behoof of ASSIGNEES' legal representative Letters Patent may be granted, as fully and entirely as the same would have been made.	title and interest in and to a and successors to the	to the same, for Assignees' sole use full end of the term for which each
ASSIGNOR authorizes any member of the firm of Maier & Maier, PL needed to effect its recordal in the U.S. Patent and Trademark Office.	LC to insert or complete	c any information in this document
Legal Name of Inventor: Zongrui CHI		
x Zongywi CHI	x Aug	9, 2021
Inventor's Signature	Date	f

PATENT REEL: 057511 FRAME: 0823

DECLARATION AND ASSIGNMENT

Title of Invention: CROSS BEAM FOR CLOTHING SHAKING DEVICE, CLOTHING SHAKING DEVICE AND CLOTHING CARE EQUIPMENT

<u>DECLARATION</u>
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, filed on
, Sea 33
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, Shengton CHEN, 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 CROSS BEAM FOR CLOTHING SHAKING DEVICE, CLOTHING SHAKING DEVICE AND CLOTHING CARE BOULDMENT (hereinafter referred to as the levention) for which the above application for United States Letters Patent was filed on: 2021-09-14 Serial No.: 17439041 or established by PCT International Patent Application No.: filed: designating the United States of America;
WHEREAS, QINGDAO HAIER WASHING MACHINE 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 Assiching, 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 ressue 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 Assigness in and to said Invention, all without further consideration. Assignor also agrees, without further consideration and at Assigness' expense, to identify and communicate to Assigness at Assigness' 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 Assigness 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, Assumor 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 Assumers, as the Assumers of the entire right, title and interest in and to the same, for Assumers' sole use and behoof; and for the use and behoof of Assumers' 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 Assumon 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: Shengho CHEN
x 400,89
Inventor's Signature Date

PATENT REEL: 057511 FRAME: 0824

RECORDED: 09/14/2021