

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6915229

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DONGSHAN WANG	08/09/2021
ZONGRUI CHI	08/09/2021
SHENGBO CHEN	08/09/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QINGDAO HAIER WASHING MACHINE CO., LTD.
<b>Street Address:</b>	HAIER INDUSTRIAL PARK, NO.1 HAIER ROAD, LAOSHAN DISTRICT
<b>City:</b>	QINGDAO, SHANDONG
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	266101
<b>Name:</b>	HAIER SMART HOME CO., LTD.
<b>Street Address:</b>	HAIER INDUSTRIAL PARK, NO.1 HAIER ROAD, LAOSHAN DISTRICT
<b>City:</b>	QINGDAO, SHANDONG
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	266101
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17439041
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)991-7071
<i>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.</i>	
<b>Phone:</b>	7037408322
<b>Email:</b>	patent@maierandmaier.com
<b>Correspondent Name:</b>	MAIER & MAIER PLLC
<b>Address Line 1:</b>	345 SOUTH PATRICK STREET
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	06910136US
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER J. MAIER
<b>SIGNATURE:</b>	/Christopher J. Maier/

<b>DATE SIGNED:</b>	09/14/2021
<b>Total Attachments: 3</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

**DECLARATION AND ASSIGNMENT**

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

**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 \_\_\_\_\_, 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 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 EQUIPMENT (hereinafter referred to as the INVENTION) 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, 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 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: Dongshan WANG

x Dongshan WANG  
 Inventor's Signature

x 2021.8.9  
 Date

# DECLARATION AND ASSIGNMENT

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

## 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 \_\_\_\_\_, filed on \_\_\_\_\_

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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, Zongrui CHI, 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 EQUIPMENT (hereinafter referred to as the INVENTION) 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, 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 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.

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Legal Name of Inventor: Zongrui CHI

X Zongrui CHI  
 Inventor's Signature

X Aug 9, 2021  
 Date

**PATENT**

**REEL: 057511 FRAME: 0823**

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United States application or PCT international application number \_\_\_\_\_, filed on \_\_\_\_\_

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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, Shengbo 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 EQUIPMENT (hereinafter referred to as the INVENTION) 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, 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 acquiring the entire right, title and interest in and to the same in the United States;

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Legal Name of Inventor: Shengbo CHEN

X

Inventor's Signature

Shengbo CHEN

X

Date

2021-8-9

PATENT

RECORDED: 09/14/2021

REEL: 057511 FRAME: 0824