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(54) **CLOTHES DRYER CONDENSER ASSEMBLY AND CLOTHES DRYER**

(57) A clothes drying device condenser assembly and a clothes drying device are disclosed. The clothes drying device condenser assembly comprises a condenser (1), and at least one side wall of the condenser is provided with a fireproof structure (2). A side wall of the condenser (1) is provided with an air inlet (14), the side wall of the condenser where the air inlet (14) is located is a first condenser wall (11), and at least one side wall adjacent to the first condenser wall (11) is provided with the fireproof structure (2). The clothes drying device of the disclosure comprises an outer cylinder (3), and a motor (4) disposed on a bottom of the outer cylinder (3). The side wall of the condenser (1) provided with the fireproof structure (2) is disposed at a side adjacent to the motor (4). By adding the fireproof structure (2) on the condenser (1) of the clothes drying device, the condenser (1) of the clothes drying device is prevented from being damaged by fire generated by fault of the motor (4) of the clothes drying device. Moreover, because the effect of the condenser (1) of the clothes drying device is to cool and condense humid and hot air, heat conduction

between the condenser (1) and outside can be reduced after the fireproof structure (2) is provided on the condenser (1), thus achieving heat preservation and insulation effects on the condenser (1).

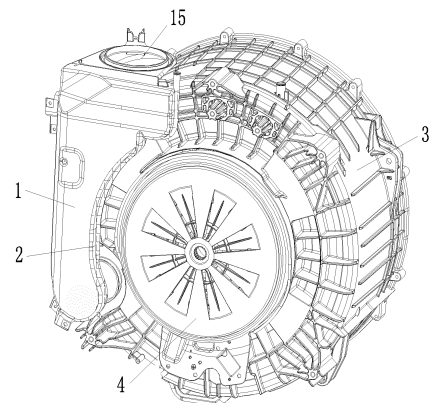


FIG. 3

Description

TECHNICAL FIELD

[0001] The disclosure relates to the technical field of clothes drying device, and particularly herein, relates to a clothes drying device condenser assembly and a clothes drying device.

BACKGROUND

[0002] With the improvement of people's living standard, clothes drying device has already appeared in people's daily life. When clothes drying device is drying clothes, hot and humid air needs to be condensed by a condenser, and relatively dry air after condensation continues to flow along a drying channel and enters a clothes holding cylinder again for a continuous circulation.

[0003] In prior art, a motor of a clothes drying device is mostly installed on a bottom of an outer cylinder of the clothes drying device, a condenser of the clothes drying device is also installed on the bottom of the outer cylinder of the clothes drying device, and there is no physical separation between the motor and the condenser. If the motor of the clothes drying device catches fire due to faults or aging and short circuits of the line, the condenser of the dryer may be burned out due to fire or may fail due to high temperature.

[0004] In view of this, the disclosure is proposed.

SUMMARY

[0005] The technical problem to be solved by the disclosure is to overcome the disadvantages of the prior art and provide a clothes drying device condenser assembly with a side wall having fireproof function.

[0006] The disclosure also provides a clothes drying device including the condenser assembly.

[0007] In order to solve the technical problem above, the basic idea of the technical scheme adopted by the disclosure is: a clothes drying device condenser assembly comprising a condenser, and at least one side wall of the condenser is provided with a fireproof structure.

[0008] The fireproof structure is added on the condenser of the clothes dryer so that the condenser of the clothes drying device is prevented from being damaged by fire generated by fault of a motor of the clothes drying device. Moreover, because the condenser needs to be cooled and condensed during operation, heat conduction between the condenser and outside is able to be reduced by the fireproof structure provided on the condenser. The fireproof structure is also able to bring heat preservation and insulation effects to the condenser.

[0009] Further, a side wall of the condenser is provided with an air inlet, the side wall of the condenser where the air inlet is located is a first condenser wall, and at least one side wall adjacent to the first condenser wall is provided with the fireproof structure.

[0010] Further, side walls adjacent to the first condenser wall include a second condenser wall and a third condenser wall oppositely arranged on both side of a ventilation direction, and the second condenser wall and/or the third condenser wall is provided with the fireproof structure.

[0011] Further, a lower end of the first condenser wall is provided with the air inlet, an air outlet is provided on an upper end of the condenser, the second condenser wall includes an arc-shaped curved surface section extending from bottom to top, and the curved surface section is provided with the fireproof structure.

[0012] Further, an upper end of the condenser is provided with a water inlet at a position close to the second condenser wall, a water outlet is provided on a lower end of the condenser, extending from the curved surface section of the second condenser wall to the water inlet forms a flat surface section, extending from the curved surface section of the second condenser wall to the water outlet forms an arc-shaped second curved surface section, and the flat surface section and the second curved surface section are provided with the fireproof structure.

[0013] Further, the first condenser wall is provided with the fireproof structure.

[0014] Further, the air inlet of the condenser is flanged to an outer surface of the first condenser wall and extends to form a sleeve, the sleeve protrudes from the first condenser wall, and the sleeve is provided with the fireproof structure.

[0015] By providing the fireproof structure on the first condenser wall and the sleeve at outer circumference of the air inlet, it is able to be prevented that flame spreads after the motor catches fire, burning other parts of the condenser.

[0016] Further, the fireproof structure is a fireproof and heat-insulating coating coated on the condenser or a condenser wall made of fireproof and heat-insulating material or a fireproof cover installed on the condenser.

[0017] Further, the fireproof structure is a fireproof cover, the fireproof cover comprises a first fireproof cover shell covering at least the second condenser wall and a second fireproof cover shell covering the first condenser wall.

[0018] Further, the condenser is provided with a fireproof cover shell connecting portion, the third condenser wall is provided with a mounting ear, at least part of the fireproof cover shell connecting portion is arranged on the mounting ear, and the fireproof cover shell connecting portion is integrally connected with the first fireproof cover shell and the second fireproof cover shell, buckled with a wall of the condenser; preferably, a position of the condenser close to the air inlet is provided with the mounting ear.

[0019] The fireproof cover forms a three-dimensional space at least by the first fireproof cover shell and the second fireproof cover shell. The fireproof cover can be arranged on the wall of the condenser, and can be connected with the mounting ear of the condenser through

the fireproof cover shell connecting portion. The fireproof cover is detachably arranged on the wall of the condenser, and the condenser assembly has a simple structure and is convenient to disassemble.

[0020] A clothes drying device, including the above clothes drying device condenser assembly, comprises an outer cylinder and a motor disposed on a bottom of the outer cylinder, and a side wall of the condenser assembly provided with the fireproof structure is disposed at a side adjacent to the motor.

[0021] Further, a side wall of the condenser adjacent to the bottom of the outer cylinder is provided with the fireproof structure.

[0022] Further, the side wall of the condenser adjacent to the bottom of the outer cylinder comprises a flat surface at a lower end and a transition surface formed by bending and extending along the flat surface towards a sidewall of the outer cylinder, and the fireproof structure is at least provided on the flat surface.

[0023] Further, a wall of the condenser is provided with an air inlet communicating with the outer cylinder, the air inlet is flanged to an outer surface of the wall of the condenser where the air inlet is located and extends to form a sleeve, the sleeve protrudes from the wall of the condenser where the air inlet is located, and the sleeve is provided with the fireproof structure.

[0024] Further, the fireproof structure is a fireproof cover, and the fireproof cover comprises a first fireproof cover shell and a second fireproof cover shell covering at least two adjacent side walls of the condenser;

preferably, the condenser is provided with a fireproof cover shell connecting portion, at least one mounting ear is provided on an opposite surface to the side wall of the condenser adjacent to the motor, at least part of the fireproof cover shell connecting portion is arranged on the mounting ear, and the fireproof cover shell connecting portion is integrally connected with the first fireproof cover shell and the second fireproof cover shell, buckled with the wall of the condenser;

preferably, the mounting ear of the condenser and the fireproof cover shell connecting portion are coordinated and connected with the outer cylinder.

[0025] Adopting the technical scheme above, the disclosure has the following beneficial effects compared with the prior art.

[0026] In the disclosure, by adding the fireproof structure on the condenser, the condenser of the clothes drying device is prevented from being damaged by fire generated by fault of a motor of the clothes drying device or failing due to high temperature. In addition, because the condenser needs to be cooled and condensed during operation, heat conduction between the condenser and outside is able to be reduced by the fireproof structure provided on the condenser, thus achieving heat preser-

vation and insulation effects on the condenser,

[0027] The implementation of the disclosure will be described in further detail with reference to the attached figures.

BRIEF DESCRIPTION OF THE DRAWINGS

[0028] As a part of the disclosure, the attached drawings are used to provide a further understanding of the disclosure. The embodiments and descriptions of the disclosure are used to explain the disclosure and is not to be considered as improper limitation of the disclosure. Obviously, the following drawings are only some embodiments. For the person skilled in the art, other drawings can be obtained according to these drawings without any creative work. In the attached figures:

FIG. 1 is a structural diagram of a condenser of a clothes drying device of the disclosure;

FIG. 2 is a structural diagram of a clothes drying device condenser assembly of the disclosure;

FIG. 3 is a diagram of a clothes drying device including a condenser assembly of the disclosure.

[0029] In the drawings: 1, condenser; 11, first condenser wall; 111, flat surface; 112, transition surface; 12, second condenser wall; 121, curved surface section; 122, flat surface section; 123, second curved surface section; 13, third condenser wall; 14, air inlet; 15, air outlet; 16, water inlet; 17, water outlet; 18, mounting ear; 19, sleeve; 2, fireproof structure; 21, first fireproof cover shell; 22, second fireproof cover shell; 23, fireproof cover shell connecting portion; 24, third fireproof cover shell; 25, stiffener; 3, outer cylinder; 4, motor.

[0030] It should be noted that these drawings and descriptions are not to limit the conception of the disclosure in any way, but to illustrate the concept of the disclosure for the person skilled in the art by referring to specific embodiments.

DETAILED DESCRIPTION

[0031] The technical scheme in the following embodiments will then be described clearly and completely with combination with the attached figures in order to make the purpose, technical scheme and advantages of the disclosure clearer. The following embodiments are used to illustrate the disclosure but are not used to limit the scope of the disclosure.

[0032] In the following description, it should be noted that the terms "up", "down", "front", "back", "left", "right", "vertical", "inside", "outside" and etc. are based on the directions or positions shown in the attached figures. They are used to simplify the description, rather than to indicate that the device or element referred must have a specific direction or to be constructed or operated in a

specific direction.

[0033] And in the following description, it should be understood that the terms "installment" and "connection" should be treated according to generalized understanding. For example, they can be understood as fixed connection, detachable connection or integrated connection. Also, they can mean mechanical connection or electrical connection. They can also represent direct connection or indirect connection. The persons skilled in the art are able to understand the specific meaning of the above terms in the disclosure according to the specific situation.

Embodiment 1

[0034] As shown in FIG. 1 and FIG. 2, a clothes drying device condenser assembly of the embodiment comprises a condenser 1, and at least one side wall of the condenser 1 is provided with a fireproof structure 2. The clothes drying device mainly includes clothes dryer, washing machine with clothes drying function and so on.

[0035] The fireproof structure 2 is added on the condenser 1 of the clothes dryer so that the condenser 1 of the clothes drying device is prevented from being damaged by fire generated by fault of a motor of the clothes drying device. Moreover, because the condenser 1 needs to be cooled and condensed during operation, heat conduction between the condenser 1 and outside is able to be reduced by the fireproof structure 2 provided on the condenser 1. The fireproof structure 2 is also able to bring heat preservation and insulation effects to the condenser 1.

[0036] A side wall of the condenser 1 is provided with an air inlet 14, the side wall of the condenser where the air inlet 14 is located is a first condenser wall 11, and at least one side wall adjacent to the first condenser wall 11 is provided with the fireproof structure 2. Among side walls adjacent to the first condenser wall 11, at least one side wall is provided with the fireproof structure 2, or it can be that one, two, three, four or all side walls are provided with the fireproof structure 2. Further, side walls adjacent to the first condenser wall 11 include a second condenser wall 12 and a third condenser wall 13 oppositely arranged on both side of a ventilation direction, and the second condenser wall 12 and/or the third condenser wall 13 is provided with the fireproof structure 2.

[0037] A lower end of the first condenser wall 11 is provided with the air inlet 14, and an air outlet 15 is provided on an upper end of the condenser 1. The second condenser wall 12 includes an arc-shaped curved surface section 121 extending from bottom to top, and the curved surface section 121 is provided with the fireproof structure 2. An upper end of condenser is provided with a water inlet 16 at a position close to the second condenser wall 12, and a water outlet 17 is provided on a lower end of the condenser 1. Extending from the curved surface section 121 of the second condenser wall 12 to the water inlet 16 forms a flat surface section 122, extending from the curved surface section 121 of the sec-

ond condenser wall 12 to the water outlet 17 forms an arc-shaped second curved surface section 123, and the flat surface section 122 and the second curved surface section 123 are provided with the fireproof structure 2.

[0038] When installing the clothes drying device condenser assembly, the second condenser wall 12 can be installed at a side adjacent to the motor of the clothes drying device. The second condenser wall 12 is an arc-shaped curved surface section 121 and is provided with the fireproof structure 2, which can not only prevent the condenser 1 from being burnt out due to the motor catching fire, but also reduce noise of the motor and the condenser 1 when the motor operates.

[0039] The first condenser wall 11 is provided with the fireproof structure 2. The air inlet 14 of the condenser is flanged to an outer surface of the first condenser wall 11 and extends to form a sleeve 19, the sleeve 19 protrudes from the first condenser wall 11, and the sleeve 19 is provided with the fireproof structure 2. By providing the fireproof structure 2 on the first condenser wall 11 and the sleeve 19 at outer circumference of the air inlet 14, it is able to be prevented that flame spreads after the motor catches fire, burning other parts of the condenser 1.

[0040] The fireproof structure 2 is a fireproof and heat-insulating coating coated on the condenser 1 or a condenser wall made of fireproof and heat-insulating material or a fireproof cover installed on the condenser 1.

[0041] The fireproof structure is a fireproof cover, the fireproof cover comprises a first fireproof cover shell 21 covering at least the second condenser wall 12 and a second fireproof cover shell 22 covering the first condenser wall 11. The condenser 1 is provided with a fireproof cover shell connecting portion 23, the third condenser wall 13 is provided with a mounting ear 18, and at least part of the fireproof cover shell connecting portion 23 is arranged on the mounting ear 18, buckled with a wall of the condenser. The fireproof cover shell connecting portion 23 also includes a fireproof cover shell partly arranged on the third condenser wall 13, and the fireproof cover shell arranged on the third condenser wall 13 is used to connect the fireproof cover shell arranged on the mounting ear 18 and the second fireproof cover shell 22. The fireproof cover shell connecting portion 23 is integrally connected with the first fireproof cover shell 21 and the second fireproof cover shell 22.

[0042] Preferably, the condenser 1 is provided with the mounting ear 18 at a position close to the air inlet 14, at least part of the fireproof cover shell connecting portion 23 is arranged on the mounting ear 18. The fireproof cover shell connecting portion 23 is integrally connected with the first fireproof cover shell 21 and the second fireproof cover shell 22, buckled with the wall of the condenser. The fireproof cover forms a three-dimensional space by the first fireproof cover shell 21 and the second fireproof cover shell 22, the fireproof cover can be arranged on the wall of the condenser, and the fireproof cover shell connecting portion 23, the first fireproof cover shell 21

and the second fireproof cover shell 22 can be clamped on the condenser 1. The fireproof cover can be connected with the mounting ear 18 of the condenser through the fireproof cover shell connecting portion 23. The fireproof cover is detachably arranged on the wall of the condenser, and the condenser assembly has a simple structure and is convenient to disassemble.

[0043] The fireproof cover is also provided with a stiffener 25, and the stiffener 25 is respectively arranged on the first fireproof cover shell 21 in an up-and-down direction and/or on the second fireproof cover shell 22 in an up-and-down direction along which the second condenser wall 12 extends. The fireproof cover is attached to a surface of the wall of the condenser.

[0044] The fireproof cover is a metal plate, a plastic material (such as PEI) with high rigidity, high heat resistance, flame resistance, high strength, excellent electrical performance, and wear resistance, or etc.

Embodiment 2

[0045] As shown in FIG. 1 to FIG. 3, a clothes drying device of the embodiment includes the condenser assembly of embodiment 1. The clothes drying device comprises an outer cylinder 3 and motor 4 disposed on a bottom of the outer cylinder. A side wall of the condenser assembly provided with the fireproof structure 2 is disposed at a side adjacent to the motor 4.

[0046] A side wall of the condenser assembly adjacent to the motor 4 is the arc-shaped curved surface section 121, the curved surface section 121 matches with an outer peripheral shape of the motor 4. Such structure and arrangement can reduce noise generated when the motor 4 is operating. A side wall of the condenser assembly with the fireproof structure 2 is arranged at a side adjacent to the motor 4, so that the condenser 1 located at a side adjacent to the motor 4 is prevented from being burned out when the motor 4 catches fire. Moreover, because the condenser 1 needs to be cooled and condensed during operation, heat conduction between the condenser 1 and outside is able to be reduced by the fireproof structure 2 provided on the condenser 1, bringing heat preservation and insulation effects to the condenser 1.

[0047] A side wall of the condenser 1 adjacent to the bottom of the outer cylinder 3 is provided with the fireproof structure 2.

[0048] Further, the side wall of the condenser 1 adjacent to the bottom of the outer cylinder 3 comprises a flat surface 111 at a lower end and a transition surface 112 formed by bending and extending along the flat surface 111 towards a sidewall of the outer cylinder 3. The fireproof structure 2 is at least provided on the flat surface 111. A wall of the condenser 1 is provided with an air inlet 14 communicating with the outer cylinder 3, and the air inlet 14 is flanged to an outer surface of the wall of the condenser 1 where the air inlet 14 is located and extends to form a sleeve 19. The sleeve 19 protrudes

from the wall of the condenser 1 where the air inlet 14 is located, and the sleeve 19 is provided with the fireproof structure 2.

[0049] Further, the fireproof structure is a fireproof cover, and the fireproof cover comprises a first fireproof cover shell 21 and a second fireproof cover shell 22 covering at least two adjacent side walls of the condenser 1. Preferably, the first fireproof cover shell 21 is provided at the side wall of the condenser 1 adjacent to the motor 4, and the second fireproof cover shell 22 is provided at the side wall of the condenser 1 adjacent to the bottom of the outer cylinder 3. The condenser 1 is provided with a fireproof cover shell connecting portion 23, at least one mounting ear 18 is provided on an opposite surface to the side wall of the condenser 1 adjacent to the motor 4, and at least part of the fireproof cover shell connecting portion 23 is arranged on the mounting ear 18. The fireproof cover shell connecting portion 23 is integrally connected with the first fireproof cover shell 21 and the second fireproof cover shell 22, buckled with the wall of the condenser.

[0050] Preferably, the sleeve 19 of the condenser 1 is provided with a third fireproof cover shell 24, and the third fireproof cover shell 23 is integrally connected with the second fireproof cover shell 22. The mounting ear 18 of the condenser and the fireproof cover shell connecting portion 23 are coordinated and connected with the outer cylinder 3. Preferably, the fireproof cover shell connecting portion 23 and the mounting ear 18 of the condenser are connected with the outer cylinder 3 by screws or other fasteners.

[0051] The condenser assembly has the function of preventing the condenser 1 from being burned out due to the motor 4 which breaks down and catches fire. Also, the condenser assembly is detachably connected to the clothes drying device, which is convenient to disassemble and has a simple structure.

[0052] The above description is just used to illustrate some more practical embodiments of the disclosure but is not the limitation of the disclosure in any way. Although the disclosure has been enclosed as the above embodiments, they are not used to limit the disclosure. Within the technical scheme of the disclosure, any person skilled in the art should be able to make some changes or modifications based on the above techniques to obtain other embodiments with equal benefits. But any simple changes, equivalent changes or modifications, made to the above embodiments according to the technical substance within the technical scheme of the disclosure, still belong to the protection range of the disclosure.

Claims

1. A clothes drying device condenser assembly comprising a condenser, **characterized in that** at least a side wall of the condenser is provided with a fireproof structure.

2. The clothes drying device condenser assembly according to claim 1, **characterized in that** the side wall of the condenser is provided with an air inlet, the side wall of the condenser where the air inlet is located is a first condenser wall, and at least one side wall adjacent to the first condenser wall is provided with the fireproof structure. 5
3. The clothes drying device condenser assembly according to claim 2, **characterized in that** side walls adjacent to the first condenser wall include a second condenser wall and a third condenser wall oppositely arranged on both sides of a ventilation direction, and the second condenser wall and/or the third condenser wall is provided with the fireproof structure. 10
4. The clothes drying device condenser assembly according to claim 3, **characterized in that** a lower end of the first condenser wall is provided with the air inlet, an air outlet is provided on an upper end of the condenser, the second condenser wall includes an arc-shaped curved surface section extending from bottom to top, and the curved surface section is provided with the fireproof structure. 15
5. The clothes drying device condenser assembly according to claim 4, **characterized in that** the upper end of the condenser is provided with a water inlet at a position close to the second condenser wall, a water outlet is provided on a lower end of the condenser, a flat surface section is formed by extending from the curved surface section of the second condenser wall to the water inlet, an arc-shaped second curved surface section is formed by extending from the curved surface section of the second condenser wall to the water outlet, and the flat surface section and the second curved surface section are provided with the fireproof structure. 20
6. The clothes drying device condenser assembly according to any one of claims 2 to 5, **characterized in that** the first condenser wall is provided with the fireproof structure. 25
7. The clothes drying device condenser assembly according to claim 6, **characterized in that** the air inlet of the condenser is flanged to an outer surface of the first condenser wall and extends to form a sleeve, the sleeve protrudes from the first condenser wall, and the sleeve is provided with the fireproof structure. 30
8. The clothes drying device condenser assembly according to any one of claims 1 to 7, **characterized in that** the fireproof structure is a fireproof and heat-insulating coating coated on the condenser or a condenser wall made of fireproof and heat-insulating material or a fireproof cover installed on the condenser. 35
9. The clothes drying device condenser assembly according to claim 6 or 7, **characterized in that** the fireproof structure is a fireproof cover, the fireproof cover comprises a first fireproof cover shell covering at least the second condenser wall and a second fireproof cover shell covering the first condenser wall. 40
10. The clothes drying device condenser assembly according to claim 9, **characterized in that** the condenser is provided with a fireproof cover shell connecting portion, the third condenser wall is provided with a mounting ear, at least part of the fireproof cover shell connecting portion is arranged on the mounting ear, and the fireproof cover shell connecting portion is integrally connected with the first fireproof cover shell and the second fireproof cover shell, covering the side wall of the condenser; preferably, the mounting ear is provided on the condenser close to the air inlet. 45
11. A clothes drying device, including the clothes drying device condenser assembly according to any one of claim 1 to 10, comprises an outer cylinder and a motor disposed on a bottom of the outer cylinder, **characterized in that** a side wall of the condenser assembly provided with the fireproof structure is adjacent to the motor. 50
12. The clothes drying device according to claim 11, **characterized in that** the side wall of the condenser adjacent to the bottom of the outer cylinder is provided with the fireproof structure. 55
13. The clothes drying device according to claim 12, **characterized in that** the side wall of the condenser adjacent to the bottom of the outer cylinder comprises a flat surface at a lower end and a transition surface formed by bending and extending along the flat surface towards a sidewall of the outer cylinder, and the fireproof structure is at least provided on the flat surface.
14. The clothes drying device according to claim 13, **characterized in that** the side wall of the condenser is provided with the air inlet communicating with the outer cylinder, the air inlet is flanged to the outer surface of the side wall of the condenser where the air inlet is located and extends to form the sleeve, the sleeve protrudes from the side wall of the condenser where the air inlet is located, and the sleeve is provided with the fireproof structure.
15. The clothes drying device according to any one of claim 12 to 14, **characterized in that**

the fireproof structure is the fireproof cover, and the fireproof cover comprises the first fireproof cover shell and the second fireproof cover shell covering at least two adjacent side walls of the condenser;

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preferably, the condenser is provided with the fireproof cover shell connecting portion, at least one mounting ear is provided on an opposite surface to the side wall of the condenser adjacent to the motor, at least part of the fireproof cover shell connecting portion is arranged on the mounting ear, and the fireproof cover shell connecting portion is integrally connected with the first fireproof cover shell and the second fireproof cover shell, covering the side wall of the condenser;

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preferably, the mounting ear of the condenser and the fireproof cover shell connecting portion are coordinated and connected with the outer cylinder.

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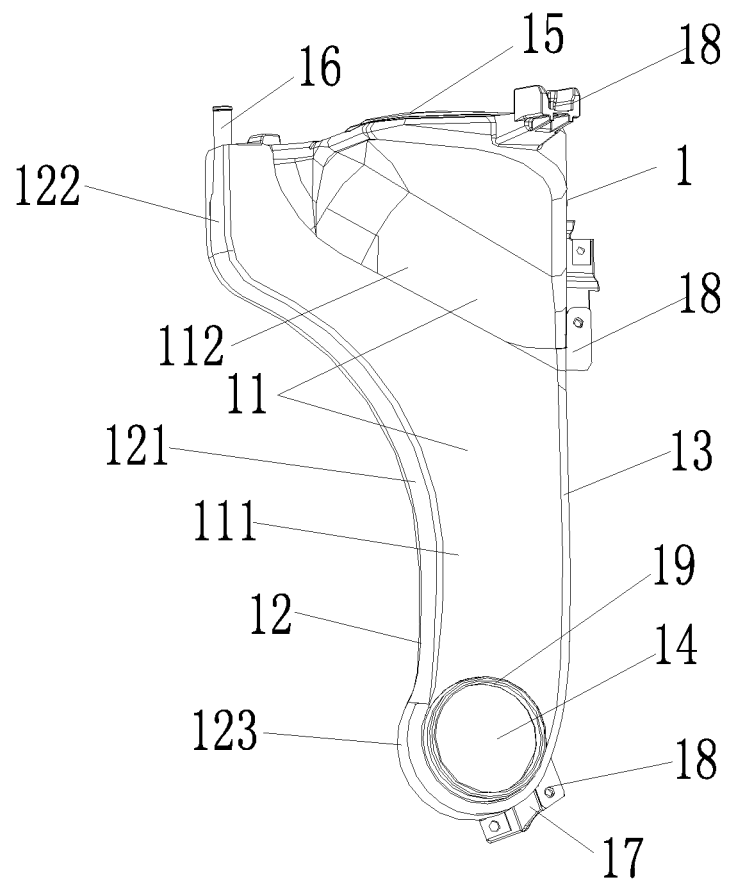


FIG. 1

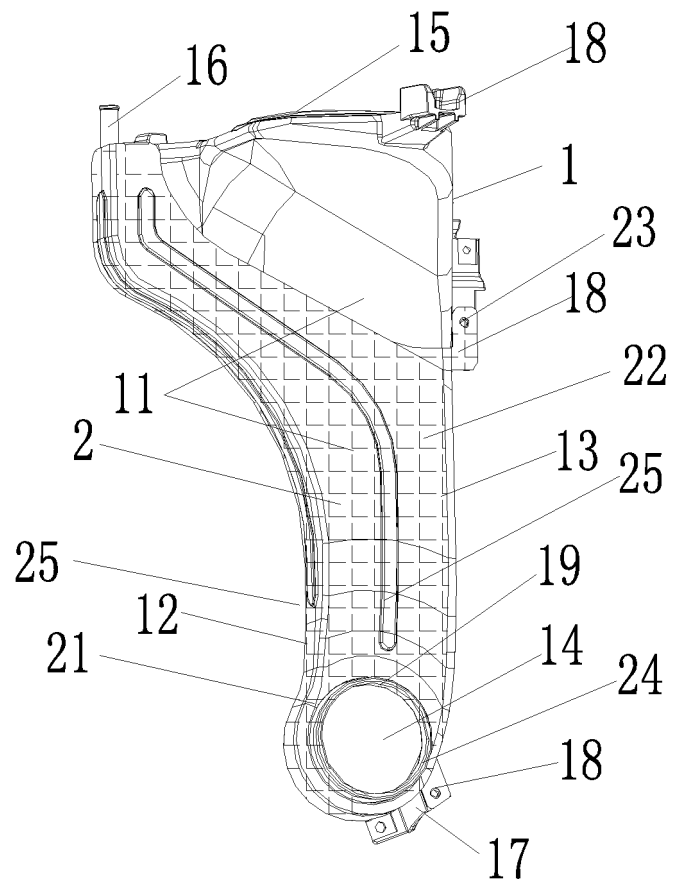


FIG. 2

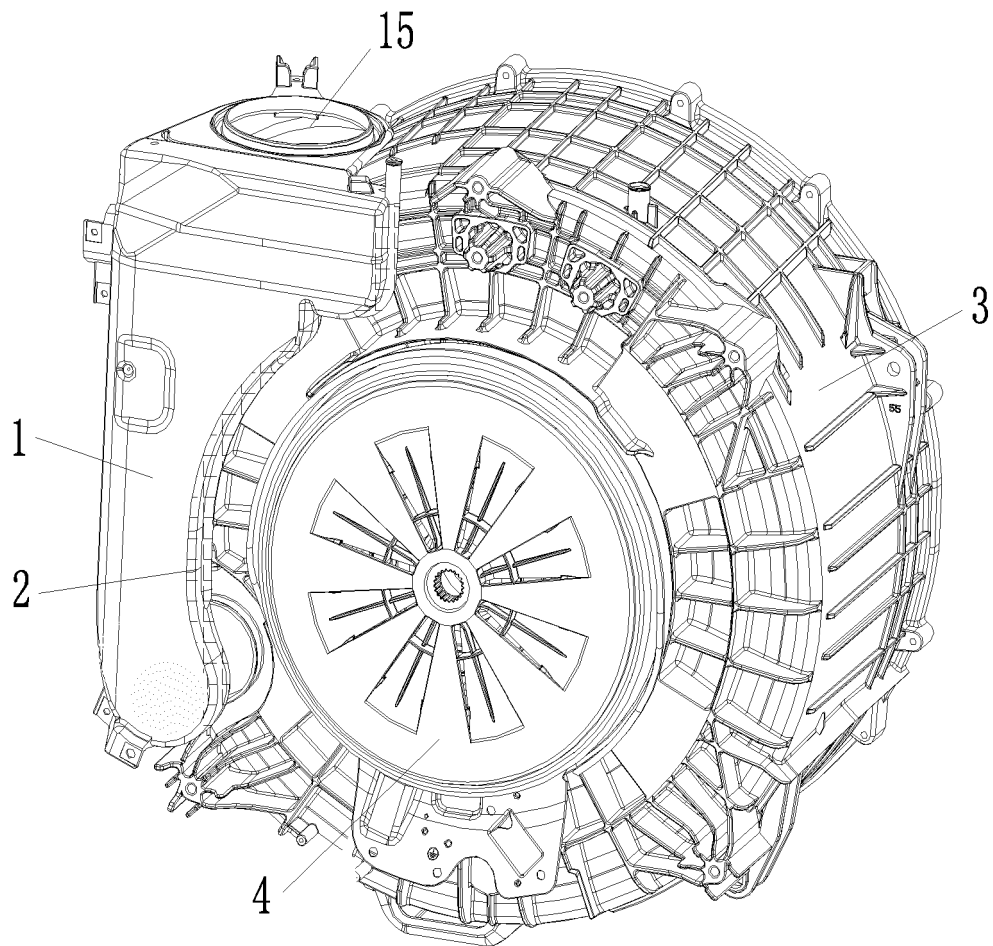


FIG. 3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2020/096088

A. CLASSIFICATION OF SUBJECT MATTER D06F 58/24(2006.01)i; A62C 3/16(2006.01)i According to International Patent Classification (IPC) or to both national classification and IPC																					
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) D06F; A62C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CNKI, CNPAT, WPI, EPODOC: condense, dryer, fire, flame, retardant, prevent+, fireproof+, coat+, plastic, 海尔, 冷凝器, 防火, 阻燃, 干衣, 洗衣, 聚乙烯, 塑料, 涂层																					
C. DOCUMENTS CONSIDERED TO BE RELEVANT																					
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Date of the actual completion of the international search 31 August 2020	Date of mailing of the international search report 18 September 2020																				
Name and mailing address of the ISA/CN China National Intellectual Property Administration (ISA/CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China Facsimile No. (86-10)62019451	Authorized officer Telephone No.																				

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2020/096088

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 109868616 A (QINGDAO HAIER WASHING MACHINE CO., LTD.) 11 June 2019 (2019-06-11) entire document	1-15
A	EP 3081688 A2 (INDESIT CO. S.P.A.) 19 October 2016 (2016-10-19) entire document	1-15
A	CN 203559277 U (HAIER GROUP COMPANY et al.) 23 April 2014 (2014-04-23) entire document	1-15

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 110292731 A	01 October 2019	None	
CN 210750985 U	16 June 2020	None	
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