

Title (en)
CLOTHES WASHING APPARATUS

Title (de)
WÄSCHEWASCHVORRICHTUNG

Title (fr)
APPAREIL DE LAVAGE DE VÊTEMENTS

Publication
EP 4379118 A1 20240605 (EN)

Application
EP 22848085 A 20220615

Priority
• CN 202110857984 A 20210728
• CN 2022098967 W 20220615

Abstract (en)
The present invention relates to the technical field of clothes washing, and specifically provides a clothes washing apparatus, which aims to solve the problem that the arrangement of the structure is not facilitated because the internal space of a clothes washing apparatus having a ventilation function is occupied by a great number of parts. For this purpose, the clothes washing apparatus of the present invention comprises a tub assembly, a valve assembly, and a fan; the valve assembly comprises an isolation mechanism and a valve housing having an air inlet cavity and an air outlet cavity disposed independently of each other; a fan housing of the fan and the valve housing are disposed together; an air inlet of the fan housing is communicated with the outside world; an air outlet of the fan housing is communicated with an air inlet of the air inlet cavity; an air outlet of the air inlet cavity is communicated with the tub assembly by means of an air inlet pipeline; the air outlet cavity is communicated with an air outlet pipeline that communicates the outside world with the tub assembly; the isolation mechanism is configured to be capable of isolating both the air inlet pipeline and the air outlet pipeline from the outside world. The present invention can save space, facilitating the overall structural arrangement of the product, and reducing the complexity of product design.

IPC 8 full level
D06F 39/00 (2024.01); **D06F 58/20** (2006.01); **D06F 103/56** (2020.01); **D06F 105/32** (2020.01)

CPC (source: EP)
D06F 34/05 (2020.02); **D06F 34/14** (2020.02); **D06F 34/26** (2020.02); **D06F 37/42** (2013.01); **D06F 39/00** (2013.01); **D06F 58/20** (2013.01); **D06F 2103/34** (2020.02); **D06F 2103/54** (2020.02); **D06F 2103/56** (2020.02); **D06F 2105/32** (2020.02); **D06F 2105/58** (2020.02); **D06F 2105/60** (2020.02)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4379118 A1 20240605; CN 115700303 A 20230207; WO 2023005478 A1 20230202

DOCDB simple family (application)
EP 22848085 A 20220615; CN 202110857984 A 20210728; CN 2022098967 W 20220615