

Title (en)

WATER INLET STRUCTURE OF DRUM WASHING MACHINE AND DRUM WASHING MACHINE

Title (de)

WASSEREINLASSTRUKTUR EINER TROMMELWASCHMASCHINE UND TROMMELWASCHMASCHINE

Title (fr)

STRUCTURE D'ENTRÉE D'EAU D'UNE MACHINE À LAVER À TAMBOUR ET MACHINE À LAVER À TAMBOUR

Publication

EP 4379124 A1 20240605 (EN)

Application

EP 22848103 A 20220617

Priority

- CN 202110862929 A 20210729
- CN 202110862936 A 20210729
- CN 2022099386 W 20220617

Abstract (en)

A water inlet structure for a drum washing machine and the drum washing machine are provided. The water inlet structure comprises a support frame (1), a water inlet pipe (10) and a buffer structure (4), wherein an water outlet of the water inlet pipe (10) is provided with a water passing chamber radially extending, the water passing chamber is installed on the on the support frame (1) by the buffer structure (4). By setting a buffer structure (4) between the support frame (1) and the water passing chamber, the support frame (1) is flexible connected with the water passing chamber by the buffer structure (4), so that the support frame (1) can move relative to the water passing chamber and the deformation force of the outer cylinder (8) is buffered. The deformation force of the outer cylinder (8) is prevented from being transmitted to the water passing chamber formed by the bearing seat (2) and the water outlet adaptor (3), so as to avoid the bearing seat and the oil seal from being deformed. The noise and water leakage of the drum washing machine are further solved.

IPC 8 full level

D06F 39/08 (2006.01); **D06F 23/02** (2006.01); **D06F 37/04** (2006.01)

CPC (source: EP)

D06F 37/267 (2013.01); **D06F 39/088** (2013.01); **D06F 37/04** (2013.01)

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 4379124 A1 20240605; WO 2023005496 A1 20230202

DOCDB simple family (application)

EP 22848103 A 20220617; CN 2022099386 W 20220617