

Title (en)
DRUM WASHING MACHINE AND CONTROL METHOD THEREFOR

Title (de)
TROMMELWASCHMASCHINE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
MACHINE À LAVER À TAMBOUR ET SON PROCÉDÉ DE COMMANDE

Publication
EP 3988701 A4 20220824 (EN)

Application
EP 20827500 A 20200611

Priority

- CN 201910531939 A 20190619
- CN 2020095507 W 20200611

Abstract (en)
[origin: EP3988701A1] Provided are a drum washing machine and a control method thereof. The drum washing machine includes: an inner drum (3) having a washing chamber capable of independently containing washing water; an inner drum drainage port (9) disposed in the inner drum (3); and a drainage sealing device installed on the inner drum drainage port (9) to control opening and closing thereof, wherein the drainage sealing device includes a drainage channel (7) communicating with the inner drum drainage port (9) and a blocking component (8) that controls opening and closing of the drainage channel (7). The drum washing machine realizes the opening and closing control over the inner drum drainage port through the drainage sealing device, the drainage sealing device includes the drainage channel communicating with the inner drum drainage port and the blocking component that controls the opening and closing of the drainage channel, the opening and closing control over the inner drum drainage port is converted into on-off control of the drainage channel, the blocking component can be designed to have different motion states by using the shifting of working states of the inner drum, thereby switching on-off of the drainage channel, the structure is simple, and control is easy to realize.

IPC 8 full level
D06F 37/04 (2006.01); **D06F 23/02** (2006.01); **D06F 39/08** (2006.01)

CPC (source: CN EP)
D06F 23/025 (2013.01 - EP); **D06F 33/42** (2020.02 - EP); **D06F 37/04** (2013.01 - CN EP); **D06F 39/083** (2013.01 - CN); **D06F 39/083** (2013.01 - EP)

Citation (search report)

- [X] CN 208472396 U 20190205 - ANHUI JULONG TRANSMISSION TECHNOLOGY CO LTD
- [X] WO 2018196845 A1 20181101 - QINGDAO HAIER WASHING MACH CO [CN], et al
- [A] DE 4310006 A1 19931028 - INST ANGEWANDTE FORSCHUNG GMBH [DE], et al
- See also references of WO 2020253602A1

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

DOCDB simple family (publication)
EP 3988701 A1 20220427; **EP 3988701 A4 20220824**; CN 112195620 A 20210108; CN 112195620 B 20220923; WO 2020253602 A1 20201224

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EP 20827500 A 20200611; CN 201910531939 A 20190619; CN 2020095507 W 20200611