

Title (en)

OPEN LID/CLOSED LID STRUCTURE OF WASHING MACHINE AND WASHING MACHINE

Title (de)

STRUKTUR FÜR OFFENEN DECKEL/GESCHLOSSENEN DECKEL EINER WASCHMASCHINE SOWIE WASCHMASCHINE

Title (fr)

STRUCTURE DE COUVERCLE OUVERT/COUVERCLE FERMÉ D'UNE MACHINE À LAVER, ET MACHINE À LAVER

Publication

**EP 3299510 A4 20180530 (EN)**

Application

**EP 16799153 A 20160415**

Priority

- CN 201510268298 A 20150522
- CN 2016079408 W 20160415

Abstract (en)

[origin: EP3299510A1] An opening and closing lid structure of a washing machine and a washing machine, which the lid structure includes a cover (3), a seat (4) and a control device, a turning shaft (12) of the cover being mounted to the seat, the control device includes a slide groove (1) and an elastic support (2). The slide groove (1) is arranged on the turning shaft (12) of the cover (3) along a rotating direction. The elastic support (2) has a lower end mounted to the seat (4), and an upper end slidably supported in the slide groove (1). The slide groove (1) is provided with a restraint slot (5) therein, into which the elastic support (2) slides to prevent the cover (3) from automatic closure after being opened. When being completely closed, the cover (3) is in a stable clamped state and can be opened with a slight force, which preventing the washing machine from generating a noise owing to a collision between the cover (3) and seat (4) during a spinning phase of the washing machine. When being completely opened, the cover (3) is in a stable clamped state and not liable to be closed. The cover (3) cannot easily closed, making it more convenient for a user to load or unload clothing, and preventing the cover (3) from colliding with and impacting on the seat (4) after automatically closed.

IPC 8 full level

**D06F 39/14** (2006.01); **D06F 37/28** (2006.01)

CPC (source: CN EP KR US)

**D06F 37/28** (2013.01 - CN KR); **D06F 39/14** (2013.01 - CN EP KR US); **E05Y 2900/312** (2013.01 - KR)

Citation (search report)

- [XYI] EP 1518956 A1 20050330 - CANDY SPA [IT]
- [XYI] US 2008295544 A1 20081204 - CHO CHEON-SOO [KR], et al
- [Y] WO 2011109235 A1 20110909 - ILLINOIS TOOL WORKS [US], et al
- See references of WO 2016188264A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3299510 A1 20180328**; **EP 3299510 A4 20180530**; CN 106283511 A 20170104; CN 106283511 B 20220405; KR 20180006983 A 20180119; WO 2016188264 A1 20161201

DOCDB simple family (application)

**EP 16799153 A 20160415**; CN 201510268298 A 20150522; CN 2016079408 W 20160415; KR 20177036962 A 20160415