

Title (en)

QUICK CUP LID

Title (de)

SCHNELLBECHERDECKEL

Title (fr)

COUVERCLE DE GOBELET RAPIDE

Publication

EP 3427615 A4 20190130 (EN)

Application

EP 18723656 A 20180110

Priority

- CN 201710375992 A 20170518
- CN 2018072124 W 20180110

Abstract (en)

[origin: EP3427615A1] The invention relates to a convenient lid, comprising a housing, a lid opening, a press plate, a button, an insertion plate, a guide plate and a threaded body, the lid opening and the threaded body being provided on the lower part of the housing, the side of the lid being provided with a concave cavity, a fixing body and a guide column being provided in the concave cavity, a switch device and a security device being provided on the fixing body and the guide column, a guide plate, an insertion plate and a press plate being provided inside the lid, a concave ring and a guide strip being provided on the outside of the lid opening, a convex ring, a guide slot and a latch being provided on the inner side of the threaded body, ribs and threads being provided on the outer side of the threaded body, the switch device being composed of a press plate and a movable shaft, the security device being composed of the button and the movable plate and being provided in the press plate, the rotating shaft being connected to the shaft hole on the buckle plate, the insertion body being connected to the guide plate within the lid, the insertion plate being connected to the top plate, the top plate being provided with a soft edge and a pin, the pin being connected to the circular hole on the insertion plate, the soft edge being provided on the back of the water outlet, the card slot on the buckle plate being fastened onto the latch of the lid.

IPC 8 full level

A47G 19/22 (2006.01); **B65D 47/24** (2006.01)

CPC (source: CN EP US)

A47G 19/2266 (2013.01 - CN); **A47G 19/2272** (2013.01 - EP US); **B65D 43/26** (2013.01 - US); **B65D 45/025** (2013.01 - US); **B65D 47/249** (2013.01 - US); **A45F 3/16** (2013.01 - US); **B65D 47/0823** (2013.01 - US); **B65D 47/20** (2013.01 - US); **B65D 47/249** (2013.01 - EP)

Citation (search report)

- [A] US 2014197170 A1 20140717 - CARLILE ALISON [US], et al
- See references of WO 2018209992A1

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 3427615 A1 20190116; **EP 3427615 A4 20190130**; **EP 3427615 B1 20230301**; CN 106974516 A 20170725; CN 106974516 B 20180612; US 2019210773 A1 20190711; WO 2018209992 A1 20181122

DOCDB simple family (application)

EP 18723656 A 20180110; CN 201710375992 A 20170518; CN 2018072124 W 20180110; US 201815939272 A 20180328