

Title (en)
IMPROVED DUAL PUSH DOOR-LOCK DEVICE

Title (de)
DOPPELT TÜRSCHLOSSVORRICHTUNG FÜR EINE TÜR EINES HAUSHALTSGERÄTS

Title (fr)
DISPOSITIF DE VERROUILLAGE DE PORTE POUR UNE PORTE D'APPAREIL MÉNAGER

Publication
EP 3312333 A1 20180425 (EN)

Application
EP 17181006 A 20170712

Priority
IT 201600105630 A 20161020

Abstract (en)
The present invention concerns a door-lock device (1) for locking a door of a household appliance, such as a washing machine and the like, said door being of the type comprising a lug (N), said device (1) comprising a containment casing (2), having an opening, in which said lug (N) is insertable, a closing assembly (3), arranged within said containment casing (2), comprising a retaining member (33) intended to engage with said lug (N), such that when said lug (N) is pushed towards said retaining member (33), said retaining member (33) retains said lug (N), and when said lug (N) is then pushed toward said retaining member (33), said retaining member (33) free said lug (N), an blocking assembly (4) arranged in said containment casing (2), said blocking assembly (4) interfering with said retaining member (33), so as to allow in turn said lug (N) to disengage, when engaged, from said retaining member (33) due to a traction of said retaining member (33) over a presettable threshold, and a safety pin (51), movable between a retracted position, in which said household appliance is not operating, and an extracted position, in which said household appliance operates and said safety pin (51) interfering with said blocking assembly, so as to block said lug (N) and thus keeping said door closed.

IPC 8 full level
D06F 37/42 (2006.01)

CPC (source: CN EP KR US)
D06F 37/42 (2013.01 - CN EP KR US); **D06F 39/14** (2013.01 - CN EP KR US); **E05B 15/00** (2013.01 - CN KR); **E05B 65/00** (2013.01 - CN KR); **E05C 3/22** (2013.01 - KR); **E05C 19/02** (2013.01 - KR); **E05Y 2900/312** (2013.01 - KR)

Citation (search report)
[X] WO 2013124873 A2 20130829 - BITRON SPA [IT]

Cited by
IT202000010906A1; WO2021229456A1

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 3312333 A1 20180425; **EP 3312333 B1 20190515**; CN 107965202 A 20180427; CN 107965202 B 20191213; IT 201600105630 A1 20180420; KR 102492086 B1 20230125; KR 20180043750 A 20180430

DOCDB simple family (application)
EP 17181006 A 20170712; CN 201710979618 A 20171019; IT 201600105630 A 20161020; KR 20170136155 A 20171019