

Title (en)

Electric door lock device for laundry dryer

Title (de)

Elektrische Türverschlussvorrichtung für Wäschetrockner

Title (fr)

Dispositif électrique de fermeture de porte pour sèche-linge

Publication

EP 2557222 A3 20141217 (DE)

Application

EP 12004269 A 20120605

Priority

DE 202011104184 U 20110809

Abstract (en)

[origin: EP2557222A2] The device (1) has a rocker unit (10) comprising a rocker spring (12) arranged at a rocker (11). An electrically actuatable actuator unit (30) is mechanically linked with a lever unit (20). A closing arbor (99) is engaged into a pawl (13) to provide rotational torque on the pawl. The rocker spring exerts another rotational torque on the rocker. The lever unit is designed in a manner that force of the actuator unit is converted into third rotational torque, which affects the rocker. An independent claim is also included for a clothes dryer comprising a control unit activating an actuator unit to open a door.

IPC 8 full level

D06F 39/14 (2006.01); **D06F 37/42** (2006.01); **D06F 58/20** (2006.01)

CPC (source: EP US)

D06F 37/302 (2013.01 - EP US); **D06F 39/14** (2013.01 - EP US); **E05B 47/0002** (2013.01 - EP); **E05B 47/023** (2013.01 - EP US); **D06F 37/42** (2013.01 - EP US); **E05B 17/0025** (2013.01 - EP); **E05B 47/0004** (2013.01 - EP)

Citation (search report)

- [A] DE 102007044577 A1 20090416 - EMZ HANAUER GMBH & CO KGAA [DE]
- [A] DE 10358013 A1 20040624 - BITRON SPA [IT]
- [A] DE 19617050 A1 19971106 - RAHRBACH GMBH [DE]

Cited by

DE102013103406B3; CN107142678A; CN111946148A; WO2022143981A1

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)

DE 202011104184 U1 20111205; DK 2557222 T3 20160411; EP 2557222 A2 20130213; EP 2557222 A3 20141217; EP 2557222 B1 20160120; PL 2557222 T3 20160729; SI 2557222 T1 20160531

DOCDB simple family (application)

DE 202011104184 U 20110809; DK 12004269 T 20120605; EP 12004269 A 20120605; PL 12004269 T 20120605; SI 201230511 A 20120605