

Title (en)

Automatic door closure for a domestic appliance

Title (de)

Automatischer Türverschluss für ein Haushaltsgerät

Title (fr)

Fermeture de porte automatique pour appareil électroménager

Publication

**EP 2407625 B1 20170215 (DE)**

Application

**EP 11008052 A 20111005**

Priority

EP 11008052 A 20111005

Abstract (en)

[origin: EP2407625A2] The appliance (2) has a door-sided pivot lever couplable with a device-sided clamping yoke (1) and pivotally supported around a rotational axis (d1) between two positions. A door-sided drive (31) tightens a door (8) at the appliance by transition of the lever from the one of the positions into the other position using the yoke. A door-sided downholder (5) generates pressing force between the yoke and the lever, and generates larger forces in the latter position of the lever than in the former position. The downholder is pivotable around another rotational axis. An independent claim is also included for a method for closing a door of a household appliance.

IPC 8 full level

**E05F 15/63** (2015.01)

CPC (source: EP)

**E05F 15/63** (2015.01); **E05Y 2201/412** (2013.01); **E05Y 2201/426** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2800/684** (2013.01); **E05Y 2900/304** (2013.01)

Citation (examination)

- JP 2005326044 A 20051124 - HITACHI HOME & LIFE SOLUTIONS
- WO 2010092734 A1 20100819 - NIFCO INC [JP], et al

Cited by

EP4091524A1; CN103908207A; CN115929144A; WO2014106398A1

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

DOCDB simple family (publication)

**EP 2407625 A2 20120118; EP 2407625 A3 20120411; EP 2407625 B1 20170215**; AU 2012233035 A1 20130502; AU 2012233035 B2 20150430; CN 103099593 A 20130515; CN 103099593 B 20170412; DK 2407625 T3 20170501; PL 2407625 T3 20170731; SI 2407625 T1 20170531

DOCDB simple family (application)

**EP 11008052 A 20111005**; AU 2012233035 A 20121003; CN 201210596753 A 20120928; DK 11008052 T 20111005; PL 11008052 T 20111005; SI 201131172 A 20111005