

Title (en)

DOMESTIC APPLIANCE WITH LOCKING DEVICE AND DOOR COUNTERBALANCE SYSTEM

Title (de)

HAUSHALTSGERÄT MIT EINER VERRIEGELUNGSANORDNUNG UND EINEM TÜRGEWICHTSAUSGLEICHSSYSTEM

Title (fr)

APPAREIL MÉNAGER AVEC AGENCEMENT DE VERROUILLAGE ET SYSTÈME D'EQUILIBRAGE DE PORTE

Publication

EP 2866636 B1 20220126 (DE)

Application

EP 13730539 A 20130619

Priority

- DE 102012211254 A 20120629
- EP 2013062694 W 20130619

Abstract (en)

[origin: WO2014001164A1] A domestic appliance (1), in particular a dishwasher (1'), comprises: a door (3), which can be pivoted about a horizontal axis of rotation (5) and, in its closed position, assumes a substantially vertical position and closes a treatment chamber (2); a locking arrangement (7), which locks the door (3) in its closed position; and a door-weight-compensation system (20) for damping an opening movement and/or for assisting a closing movement of the door (3). According to the invention, the axis of rotation (5) of the door (3) is arranged behind the centre of gravity (S) of the door (3), as seen in the depth direction of the domestic appliance (1), and the door (3) and the door-weight-compensation system (20) are designed and configured such that the door (3), in the unlocked state, substantially on account of the weight-induced force (G) exerted by the door (3), assumes a partially open position, in which it is open to some extent.

IPC 8 full level

A47L 15/42 (2006.01)

CPC (source: EP US)

A47L 15/4259 (2013.01 - US); **A47L 15/4261** (2013.01 - EP US); **E05F 1/1041** (2013.01 - US); **E05F 3/18** (2013.01 - US); **E05Y 2900/304** (2013.01 - US)

Citation (opposition)

Opponent : Electrolux Appliances Aktiebolag

- WO 2011003714 A1 20110113 - ARCELIK AS [TR], et al
- DE 4443849 A1 19960502 - BAUKNECHT HAUSGERÄTE [DE]
- US 4951693 A 19900828 - ARCHAMBAULT JEAN [CA]
- US 3921252 A 19751125 - GUTH LAUREN W
- EP 2394561 A2 20111214 - MIELE & CIE [DE]
- JP S61161341 A 19860722 - RINNAI KK
- DE 4427122 A1 19960201 - MIELE & CIE [DE]
- EP 1909034 A2 20080409 - SAMSUNG ELECTRONICS CO LTD [KR]
- WO 2009116094 A1 20090924 - FILIPPI S R L [IT], et al
- JP 2006204354 A 20060810 - TOSHIBA CORP, et al
- EP 2295692 A1 20110316 - NUOVA STAR SPA [IT]
- EP 1523929 B1 20100120 - CMI SRL [IT]
- US 2003056328 A1 20030327 - HABEGGER JEFFREY D [US], et al
- DE 9301160 U1 19940601 - LICENTIA GMBH [DE]
- JP 2008220601 A 20080925 - HOSHIZAKI ELECTRIC CO LTD
- DE 102005028449 B4 20070308 - MIELE & CIE [DE]
- US 3503380 A 19700331 - VASATURO FRANK J
- EP 2298983 A1 20110323 - BRERA FRANCESCO ATTILIO RENZO [IT]
- DE 2215023 A1 19731011 - UNITED FILTRATION CORP

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)

DE 102012211254 A1 20140102; CN 104394750 A 20150304; CN 104394750 B 20170524; EP 2866636 A1 20150506; EP 2866636 B1 20220126; PL 2866636 T3 20220419; US 2015150432 A1 20150604; WO 2014001164 A1 20140103

DOCDB simple family (application)

DE 102012211254 A 20120629; CN 201380034844 A 20130619; EP 13730539 A 20130619; EP 2013062694 W 20130619; PL 13730539 T 20130619; US 201314406229 A 20130619