

Title (en)

Balancing device for a door of an household appliance

Title (de)

Gewichtsausgleichseinrichtung für eine Tür von einem Haushaltsgerät

Title (fr)

Dispositif d'équilibrage d'une porte d'un appareil électroménager

Publication

EP 1523929 A3 20070314 (EN)

Application

EP 04024203 A 20041011

Priority

IT BO20030592 A 20031013

Abstract (en)

[origin: EP1523929A2] A balancing device for a door of an household appliance, provided with chassis to which is hinged the door, includes at least an articulated means (1) provided with a balance means (2) equipped with swiveling connection means at least first (3), second (4) and third (5) respectively for the appliance chassis, for an elastic mean (6), for an end of a tension rod mean (7) whose remaining end has a coupler (8) for the door of the appliance. The first swiveling connection means (3) is meddle and misaligned to the remaining two. The elastic mean (6) transmits to the balance means (2) a force opposing the door weight and transmitted to the balance means (2) by the tension rod mean (7).

IPC 8 full level

A47L 15/42 (2006.01); **E05F 1/10** (2006.01); **E05F 1/12** (2006.01); **F24C 15/02** (2006.01)

CPC (source: EP)

A47L 15/4261 (2013.01); **E05F 1/1075** (2013.01); **F24C 15/023** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

Citation (search report)

- [X] WO 03039322 A1 20030515 - CMI SRL [IT], et al
- [X] DE 8329611 U1 19840726
- [X] US 4163344 A 19790807 - SCHERER RICHARD M [US]
- [A] EP 0046314 A1 19820224 - SMEG ELETTRODOMESTICI [IT]
- [A] EP 1302150 A1 20030416 - CMI SRL [IT]

Cited by

CN114704171A; CN109199293A; WO2014001164A1; EP2659194B1; EP2866636B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

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