

Title (en)

Hinge device, particularly for the door of household electric appliances and the like, having upward and outward movement of the door during opening

Title (de)

Scharniervorrichtung, insbesondere für eine Tür eines elektrischen Haushaltsgerätes o.dgl., mit einer sich während des Öffnens nach oben und nach aussen bewegendes Tür

Title (fr)

Dispositif de charnière, en particulier pour une porte d'une machine électroménager ou similaire, avec un mouvement de la porte vers le haut et vers l'extérieur pendant l'ouverture

Publication

EP 0859197 B1 20030514 (EN)

Application

EP 98102687 A 19980217

Priority

IT BO970069 A 19970217

Abstract (en)

[origin: EP0859197A2] The hinge device, particularly fit to be used with a door (28) of household electric appliances and the like, includes a coupling element (1), fastened to the appliance structure (10), with a rocker arm element (4) joined thereto and having a pivot (3) for the door support by means of a support element (2). The coupling element also bind a pivoting plate (6) to which is connected a shaped segment (5) hinged with an end to the support element (2). A connection element (9) joins the pivoting plate (6) to the rocker arm element (4) in opposite position with respect to the pivot (3) connected to the support element (2). The door opening defines, by means of the shaped segment (5), the oscillation of the plate (6) that, by means of connencion element (9), rotate the rocker arm element (4) moving the pivot (3) upward and outward, while a counterbalancing spring (8) acts on the plate (6) by means of a L-lever (11). In this way the bottom of the door (28) can pass above a baseboard (31) placed for covering the free space under the appliance (10). <IMAGE>

IPC 1-7

F24C 15/02

IPC 8 full level

A47L 15/42 (2006.01); **F24C 15/02** (2006.01)

CPC (source: EP)

A47L 15/4261 (2013.01); **E05D 3/06** (2013.01); **F24C 15/023** (2013.01); **E05F 1/1276** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

Cited by

EP1366703A1; CN108487806A; EP2678469A4; EP1302150A1; EP1183988A3; EP2011941A1; EP2987505A1; US9457384B2; US7934290B2; WO03039322A1; WO03038219A1; WO2007072206A3; WO2013080092A1; DE102010002099A1; EP2362044A2

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0859197 A2 19980819; **EP 0859197 A3 19990224**; **EP 0859197 B1 20030514**; DE 69814489 D1 20030618; DE 69814489 T2 20031204; ES 2198612 T3 20040201; IT 1290683 B1 19981210; IT BO970069 A0 19970217; IT BO970069 A1 19980817

DOCDB simple family (application)

EP 98102687 A 19980217; DE 69814489 T 19980217; ES 98102687 T 19980217; IT BO970069 A 19970217