

Title (en)

Hinge for the door of electrical household appliances, particularly for hinging the door of dishwashers

Title (de)

Scharnier für eine Tür von elektrischen Haushaltsgeräten, insbesondere Scharnier für die Tür von Spülmaschinen

Title (fr)

Charnière pour la porte d'appareils électroménagers, notamment pour articuler la porte de lave-vaisselles

Publication

EP 2298983 A1 20110323 (EN)

Application

EP 10168780 A 20100707

Priority

IT MI20091321 A 20090724

Abstract (en)

A hinge (1) for the door of electrical household appliances, particularly for hinging the door of dishwashers, comprising a coupling element (2), which can be fixed to the body of the appliance, and a supporting element (3), which can be fixed to the door and is hinged to the coupling element (2) about a main axis, the hinge further comprising an element (5) for connecting the supporting element (3) to elastic means (6) that contrast the rotation of the supporting element (3) with respect to the coupling element (2) in the direction of rotation that corresponds to the opening rotation of the door with respect to the appliance, and further comprising friction means (7) which are interposed between the connecting element (5) and the coupling element (2) in order to slow the rotation of the supporting element (3) with respect to the coupling element (2) about the main axis, the friction means (7) being connected to the coupling element (2) and engaging against two opposite faces of the connecting element (5).

IPC 8 full level

A47L 15/42 (2006.01); **D06F 37/28** (2006.01); **D06F 39/14** (2006.01)

CPC (source: EP)

A47L 15/4261 (2013.01)

Citation (search report)

- [A] US 4163344 A 19790807 - SCHERER RICHARD M [US]
- [A] EP 1443846 B1 20050413 - CMI SRL [IT]
- [A] US 2009072686 A1 20090319 - VOOREN GREGORY VAN [US], et al

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JP2016007450A; CN109423866A; CN108203870A; CN103225194A; EP2912984A1; EP2866636B1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2298983 A1 20110323; **EP 2298983 B1 20150225**; IT 1395507 B1 20120928; IT MI20091321 A1 20110125

DOCDB simple family (application)

EP 10168780 A 20100707; IT MI20091321 A 20090724