

Title (en)
Door hinge

Title (de)
Türscharnier

Title (fr)
Charnière de porte

Publication
EP 1602883 A3 20070321 (EN)

Application
EP 05425398 A 20050531

Priority
IT BO20040344 A 20040531

Abstract (en)
[origin: EP1602883A2] A hinge (4) for doors (3), in particular the doors of domestic appliances (1) such as ovens, dishwashers or the like, comprises: a first box-shaped structure (5) attachable to a frame (2); a second box-shaped structure (6) attachable to the door (3) and extending principally in a direction (B); a lever (7) connecting the first and second structures (5, 6) to each other, the second structure (6) being pivoted on a pin (10) connected to the lever (7) and being able to be tilted about said pin (10) at least between a closed position and an open position of the door 3; a spring (13) connected to the second box-shaped structure (6) and designed to be elastically deformed in such way as to produce an elastic reaction that opposes the opening of the door (3); and means (30) for adjusting the elastic reaction.

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); **E05F 1/1276** (2013.01); **F24C 15/023** (2013.01); **E05Y 2201/638** (2013.01); **E05Y 2600/20** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

Citation (search report)
• [XY] EP 0692598 A1 19960117 - CMI SRL [IT]
• [YA] EP 1296011 A1 20030326 - HUWIL WERKE GMBH [DE]

Cited by
EP2453091A1; WO2012062506A1; IT201900018470A1; CN109744957A; EP2128369A3; CN105507706A; US2022186537A1; US11697955B2; WO2007097577A1; EP2634336A2; US8985717B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
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IT BO20040344 A1 20040831

DOCDB simple family (application)
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