

Title (en)
DOOR HINGE FOR A HOUSEHOLD APPLIANCE

Title (de)
TÜRSCHARNIER EINES HAUSHALTSGERÄTES

Title (fr)
CHARNIÈRE DE PORTE D' APPAREIL MÉNAGER

Publication
EP 2191088 A1 20100602 (DE)

Application
EP 08803336 A 20080828

Priority
• EP 2008061327 W 20080828
• DE 202007012603 U 20070907

Abstract (en)
[origin: WO2009033960A1] Disclosed is a door hinge (3) for a household appliance, e.g. an oven (1), a dishwasher, or the like. The door (2) can be moved about a lower, horizontal shaft from an approximately vertical closed position into an approximately horizontal open position. Said door hinge (3) comprises a door lever (5) that can be mounted on a door (2), a housing (6) which can be mounted on the carcass of a household appliance and to which the door lever (5) is connected so as to be pivotable about a main shaft (7), a weight compensation spring (8), and a closing spring. The weight compensation spring (8) maintains the door (2) approximately in a position of equilibrium when the door (2) is opened, and the closing spring applies a self-closing force shortly before the door (2) reaches the closed position, followed by a locking force. A damping device (13) is provided which counteracts the closing forces shortly before the door (2) reaches the final closed position and/or the opening forces shortly before the door (2) reaches the final open position.

IPC 8 full level
E05F 1/12 (2006.01); **A47L 15/42** (2006.01); **E05F 5/02** (2006.01); **E05F 5/10** (2006.01); **F24C 15/02** (2006.01)

CPC (source: EP US)
A47L 15/4261 (2013.01 - EP US); **E05F 1/1261** (2013.01 - EP US); **E05F 3/20** (2013.01 - US); **E05F 5/02** (2013.01 - EP US); **F24C 15/023** (2013.01 - EP US); **E05F 5/10** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/256** (2013.01 - EP US); **E05Y 2201/264** (2013.01 - EP US); **E05Y 2201/474** (2013.01 - EP US); **E05Y 2201/604** (2013.01 - EP US); **E05Y 2201/626** (2013.01 - EP US); **E05Y 2201/686** (2013.01 - EP US); **E05Y 2201/722** (2013.01 - EP US); **E05Y 2800/21** (2013.01 - EP US); **E05Y 2900/304** (2013.01 - EP US); **E05Y 2900/308** (2013.01 - EP US)

Citation (search report)
See references of WO 2009033960A1

Citation (third parties)
Third party :
DE 102005045365 A1 20070329 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
WO2013133774A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
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