

Title (en)
DOOR HINGE FOR A HOUSEHOLD APPLIANCE

Title (de)
TÜRSCHARNIER EINES HAUSHALTSGERÄTES

Title (fr)
CHARNIÈRE DE PORTE D' APPAREIL MÉNAGER

Publication
EP 2191088 B2 20170329 (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 (opposition)
Opponent :
• US 2002152580 A1 20021024 - HOSAKA HIROAKI [JP], et al
• US 2003056328 A1 20030327 - HABEGGER JEFFREY D [US], et al
• EP 1703053 A2 20060920 - ELECTROLUX HOME PROD CORP [BE]
• EP 0565809 A1 19931020 - NUOVA STAR SRL [IT]

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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

DOCDB simple family (publication)
DE 202007012603 U1 20090122; CN 101849076 A 20100929; CN 101849076 B 20130724; EP 2191088 A1 20100602; EP 2191088 B1 20121010; EP 2191088 B2 20170329; ES 2397236 T3 20130305; ES 2397236 T5 20170817; PL 2191088 T3 20130329; PL 2191088 T5 20171031; US 2010281650 A1 20101111; US 2013312217 A1 20131128; US 8806719 B2 20140819; WO 2009033960 A1 20090319

DOCDB simple family (application)
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