

Title (en)
A door hinge

Title (de)
Türscharnier

Title (fr)
Charnière de porte

Publication
EP 2664737 A2 20131120 (EN)

Application
EP 13002539 A 20130515

Priority
TR 201205645 A 20120515

Abstract (en)
The present invention relates to a door hinge (1) comprising members that protect the first damper (9) and the second damper (14) in order to prevent the overloads that might arise when a household appliance door is closed fast from causing damage in the first damper (9) and the second damper (14). The door hinge (1) of the present invention prevents the door of a household appliance from making noise when being opened and closed, and slows down the fast movement during closing.

IPC 8 full level
E05F 1/12 (2006.01); **E05F 5/02** (2006.01)

CPC (source: EP)
E05F 1/1276 (2013.01); **E05F 5/02** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/43** (2013.01); **E05Y 2900/30** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

Citation (applicant)
• EP 1847670 A2 20071024 - NUOVA STAR SPA [IT]
• WO 2010091770 A1 20100819 - ELECTROLUX HOME PROD CORP [BE], et al

Cited by
US10451291B2; CN107975312A; CN104712208A; CN107355160A; US2018216832A1; US10082298B2; IT202000003242A1; ITMI20132091A1; CN107419986A; CN110101353A; EP3179023A1; EP3255235A4; EP3255234A4; US10890334B2; US11543135B2

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2664737 A2 20131120; EP 2664737 A3 20140730; EP 2664737 B1 20151216; PL 2664737 T3 20160531; SI 2664737 T1 20160630

DOCDB simple family (application)
EP 13002539 A 20130515; PL 13002539 T 20130515; SI 201330115 A 20130515