

Title (en)
MULTI-LINK HINGE

Title (de)
MEHRGELENKSCHARNIER

Title (fr)
CHARNIÈRE À PLUSIEURS ARTICULATIONS

Publication
EP 2129852 A1 20091209 (DE)

Application
EP 08717834 A 20080314

Priority
• EP 2008053093 W 20080314
• DE 202007004621 U 20070329

Abstract (en)
[origin: WO2008119647A1] The invention relates to a multi-link hinge (1), particularly for refrigerator doors, comprising a fastening element (2) attachable to a furniture body, said fastening element being connected to a pivotable door bearing (11) via a plurality of levers (3, 4, 5, 10) connected to one another in a scissor-like fashion, wherein the door bearing (11) is provided with initial tension in a closed position via a spring (15). A linear damper (18) is provided that dampens a closing movement of the door bearing (11), said damper being effective over at least part of the pivot range of the door bearing (11). In this manner, the closing movement may be supported, preventing a slamming of the door connected to the door bearing (11).

IPC 8 full level
E05D 3/06 (2006.01); **E05F 3/20** (2006.01)

CPC (source: EP KR US)
E05D 3/06 (2013.01 - KR); **E05D 3/16** (2013.01 - EP US); **E05F 1/1261** (2013.01 - EP US); **E05F 3/20** (2013.01 - KR); **E05F 5/02** (2013.01 - EP US); **E05F 1/1253** (2013.01 - EP US); **E05Y 2201/412** (2013.01 - EP US); **E05Y 2600/41** (2013.01 - EP US); **E05Y 2900/31** (2013.01 - EP US)

Citation (search report)
See references of WO 2008119647A1

Cited by
DE102020102316B3; CN112020592A; WO2021151697A1; US12044050B2

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 202007004621 U1 20080807; CN 101663451 A 20100303; CN 101663451 B 20140702; EP 2129852 A1 20091209; EP 2129852 B1 20190522; EP 3527762 A1 20190821; EP 3527762 B1 20230809; ES 2742516 T3 20200214; ES 2963913 T3 20240403; JP 2010522862 A 20100708; JP 5572861 B2 20140820; KR 101497295 B1 20150302; KR 20100016056 A 20100212; PL 2129852 T3 20200131; PL 3527762 T3 20240205; RU 2009139190 A 20110510; RU 2444598 C2 20120310; SI 2129852 T1 20190930; SI 3527762 T1 20231229; US 2010101052 A1 20100429; US 8225459 B2 20120724; WO 2008119647 A1 20081009

DOCDB simple family (application)
DE 202007004621 U 20070329; CN 200880006926 A 20080314; EP 08717834 A 20080314; EP 19165676 A 20080314; EP 2008053093 W 20080314; ES 08717834 T 20080314; ES 19165676 T 20080314; JP 2010500194 A 20080314; KR 20097022687 A 20080314; PL 08717834 T 20080314; PL 19165676 T 20080314; RU 2009139190 A 20080314; SI 200832081 T 20080314; SI 200832215 T 20080314; US 59352308 A 20080314