

Title (en)
Household refrigerating appliance

Title (de)
Haushaltskühlschrank

Title (fr)
Appareil domestique de réfrigération

Publication
EP 2672209 A1 20131211 (EN)

Application
EP 13183244 A 20090226

Priority
• IT TO20080027 U 20080305
• EP 09717531 A 20090226

Abstract (en)
A household refrigerator has a compartment provided with a double-leafed door and a movable mullion bar (10) is hinged at one of the two door leaves. At least one of the hinges (20) for hinging the mullion bar to the respective door leaf comprises a first couple (23, 29) and a second couple (24, 30) of cooperating cam members, each cam member including a fixed cam member (23, 29) and a movable cam member (24, 30). The opening and closing of the door leaf causes relative rotating and translating motions between the movable cam members (24, 30) and the fixed cam members (23, 29) in opposition to a biasing force of a respective spring element (32).

IPC 8 full level
F25D 23/02 (2006.01); **E05D 11/10** (2006.01); **E05F 1/12** (2006.01)

CPC (source: EP)
E05D 11/105 (2013.01); **E05D 11/1078** (2013.01); **E05F 1/1284** (2013.01); **F25D 23/028** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/262** (2013.01); **E05Y 2900/31** (2013.01); **F25D 2323/021** (2013.01); **F25D 2323/024** (2013.01)

Citation (applicant)
• US 7008032 B2 20060307 - CHEKAL RAYMOND J [US], et al
• IT RN20070056 A 20071107
• IT TO20070911 A 20071218

Citation (search report)
• [Y] US 7008032 B2 20060307 - CHEKAL RAYMOND J [US], et al
• [Y] WO 2006036044 A1 20060406 - I ONE INNOTECH CO LTD [KR], et al
• [A] KR 20030078137 A 20031008 - HOIL PREC CO LTD [KR]
• [A] DATABASE WPI Week 200739, Derwent World Patents Index; AN 2007-404658, XP002539101

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CN104019604A; CN105466122A; AT515491A3; AT515491B1; US10267554B2; WO2020126471A1

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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 SE SI SK TR

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