

Title (en)
Hinge joint

Title (de)
Scharniergelenk

Title (fr)
Articulation à charnière

Publication
EP 1231346 B1 20120201 (DE)

Application
EP 01130108 A 20011218

Priority
• DE 20102454 U 20010213
• DE 20102998 U 20010220

Abstract (en)
[origin: EP1231346A2] The hinge for the door of a refrigerator has a fixed section (1) attached to the housing of the refrigerator and a movable section (11) attached to the door and pivoted to the fixed section. The hinge assembly has a spring to bias the door open when adjacent to its open position. It has a second damping spring to limit the shock load on the hinge at the end of travel.

IPC 8 full level
E05F 5/00 (2006.01); **E05D 3/06** (2006.01); **E05D 3/16** (2006.01); **E05F 1/12** (2006.01); **E05F 5/08** (2006.01)

CPC (source: EP)
E05D 3/16 (2013.01); **E05F 1/1253** (2013.01); **E05F 5/006** (2013.01); **E05D 2003/166** (2013.01); **E05F 5/08** (2013.01); **E05Y 2201/212** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2201/266** (2013.01); **E05Y 2201/484** (2013.01); **E05Y 2900/20** (2013.01); **E05Y 2900/31** (2013.01)

Cited by
DE202008013991U1; CN107965223A; CN107989497A; CN102874673A; EP2063055A3; KR20180108729A; EP1736627A3; EP2527576A1; CN108332498A; CN102844514A; AT514903A5; AT514903B1; WO2007042094A1; DE102009049984A1; EP1815096B1; US7591046B2; EP1736627A2; WO2011113740A1

Designated contracting state (EPC)
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