

Title (en)
Hinge joint

Title (de)
Scharniergelenk

Title (fr)
Articulation à charnière

Publication
EP 1231346 A3 20090812 (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
E05D 3/06 (2006.01); **E05F 1/12** (2006.01); **E05F 5/06** (2006.01); **E05F 5/08** (2006.01); **E05F 5/10** (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)

Citation (search report)
• [XAY] DE 2708545 A1 19780831 - LAUTENSCHLAEGER KG KARL
• [X] DE 2751491 A1 19790523 - HETTICH PAUL & CO
• [X] DE 3239989 A1 19840503 - HETTICH HETAL WERKE [DE]
• [Y] WO 9618792 A1 19960620 - TGN SPA [IT], et al
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Designated extension state (EPC)
AL LT LV MK RO SI

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