

Title (en)
Hinge unit

Title (de)
Scharnier-Anordnung

Title (fr)
Agencement de charnière

Publication
EP 1884614 A3 20090311 (DE)

Application
EP 07011649 A 20070614

Priority
DE 102006036473 A 20060804

Abstract (en)
[origin: EP1884614A2] The arrangement (1) has a hinge (3) for pivotably connecting a refrigerator door (4) at a refrigerator housing (2), and a piston-cylinder damping unit (12) arranged between the housing and the door for damping pivoting movement of the housing and the door to each other, where the damping unit is directly hinged at the housing and the door using joint connections (34, 35). A spring unit (36) is arranged between the housing and the door for producing pivoting force and is directly hinged at the housing or the door and the damping unit using spring joint connections (44, 45).

IPC 8 full level
E05F 1/10 (2006.01); **E05F 1/12** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP US)
E05F 1/1066 (2013.01 - EP); **E05F 1/1269** (2013.01 - EP); **E05F 1/14** (2013.01 - EP); **E05F 5/00** (2013.01 - EP); **E05F 5/10** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP); **E05Y 2201/256** (2013.01 - EP); **E05Y 2201/264** (2013.01 - EP); **E05Y 2900/31** (2013.01 - EP); **F25D 23/028** (2013.01 - EP); **F25D 2323/024** (2013.01 - EP)

Citation (search report)

- [XY] US 1482917 A 19240205 - DURNO JOHN H
- [X] US 2585413 A 19520212 - SIMPSON HERBERT A
- [YA] US 4690468 A 19870901 - LAU ROBERT G [US]
- [Y] US 658533 A 19000925 - SCHUYLER DANIEL [US]
- [A] US 1386196 A 19210802 - MUNN NEIL D
- [A] EP 1359275 A2 20031105 - ZIMMER GUENTHER STEPHAN [DE], et al

Cited by
CN113602665A; JP2020133210A; DE102008034808A1; US8533914B2; EP2305934A1; US8474100B2; US8381447B2; JP2014062391A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1884614 A2 20080206; **EP 1884614 A3 20090311**; **EP 1884614 B1 20100714**; DE 102006036473 A1 20080214; DE 502007004371 D1 20100826; ES 2347287 T3 20101027

DOCDB simple family (application)
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