

Title (en)

Damping device for slowing doors, drawers and the like, that are subjected to powered-opening means

Title (de)

Dämpfervorrichtung zum Dämpfen von, durch Öffnungsvorrichtungen angetriebenen, Türen, schubladen und dgl.

Title (fr)

Dispositif amortisseur pour amortir des portes, tiroirs et similaires qui sont actionnés par des dispositifs d'ouverture

Publication

**EP 0713948 A1 19960529 (EN)**

Application

**EP 95117507 A 19951107**

Priority

IT TO940237 U 19941125

Abstract (en)

The damping device comprises a stator (11) with a central pivot (13) that is flexible in a radial direction for the snap-on connection of a rotor (12) provided with a hole (14) for accommodating the pivot. The stator (11) is cup-shaped so as to internally accommodate part of the rotor (12) and comprises a single cylindrical ridge (17) that separates two annular chambers, respectively an inner one (18) and an outer one (19), which accommodate, with an appropriate clearance, corresponding inner and outer cylindrical portions (20, 21) of the rotor. The inner portion (20) is discontinuous and formed by spaced sectors. Grease is interposed in the annular spaces between the rotor and the stator and in the spaces that separate the sectors of the inner cylindrical portion (20) of the rotor, the grease having a slowing function. External grease seepage is prevented by a flexible edge lip (22) of the outer cylindrical portion (21) of the stator (12). <IMAGE>

IPC 1-7

**E05F 5/00**

IPC 8 full level

**E05F 5/00** (2006.01); **E05F 3/14** (2006.01)

CPC (source: EP US)

**A47B 88/473** (2016.12 - EP); **E05F 3/14** (2013.01 - EP US); **E05F 5/00** (2013.01 - EP); **E05Y 2201/21** (2013.01 - EP); **E05Y 2201/254** (2013.01 - EP); **E05Y 2201/266** (2013.01 - EP); **E05Y 2900/132** (2013.01 - EP)

Citation (search report)

- [A] EP 0199242 A2 19861029 - FOGGINI PROGETTI [IT]
- [A] DE 4119090 A1 19911212 - NIFCO INC [JP]

Cited by

FR2866539A1; EP1510148A1; FR2863838A1; NL2000826C2; DE19746978A1; EP2027803A1

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