

Title (en)
Hinge with damping device

Title (de)
Scharnier mit Dämpfungsvorrichtung

Title (fr)
Charnière avec dispositif d'amortissement

Publication
EP 2998497 A1 20160323 (EN)

Application
EP 14185296 A 20140918

Priority
EP 14185296 A 20140918

Abstract (en)
A hinge (10) includes a hinge arm (22), a hinge cup (20), a spring (24), a retainer (64), a damper (66), and an adjusting member (68). When the hinge cup (20), which is pivotally connected to the hinge arm (22), is being closed relative thereto, the spring (24) provides a resilient closing force to complete the closing action. The retainer (64) is mounted in the hinge cup (20) and has a channel (84). The damper (66) is mounted in the channel (84) and corresponds to the hinge arm (22) to provide a damping force adjustable via the adjusting member (68), which is movably mounted to the retainer (64), includes a surface (94) and at least two contact portions (102, 104) differently spaced from the surface (94), and can be adjusted relative to the retainer (64) so that one of the contact portions (102, 104) corresponds to the damper (66).

IPC 8 full level
E05F 5/00 (2006.01)

CPC (source: EP)
E05D 3/02 (2013.01); **E05F 5/006** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/214** (2013.01); **E05Y 2201/22** (2013.01); **E05Y 2201/25** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2900/20** (2013.01)

Citation (applicant)
US 8561262 B1 20131022 - LIANG HSIU-CHIANG [TW], et al

Citation (search report)
• [YD] US 8561262 B1 20131022 - LIANG HSIU-CHIANG [TW], et al
• [Y] DE 202012003508 U1 20130708 - GRASS GMBH [AT]

Cited by
WO2023173469A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2998497 A1 20160323; EP 2998497 B1 20190410

DOCDB simple family (application)
EP 14185296 A 20140918