

Title (en)

HINGE FOR A PACKAGING BOX OR THE LIKE

Title (de)

SCHARNIER FÜR EINE GEPÄCKBOX OD. DGL.

Title (fr)

CHARNIERE POUR UNE BOITE PORTE-BAGAGES OU ANALOGUE

Publication

EP 2198103 B1 20160504 (DE)

Application

EP 08804903 A 20080930

Priority

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- DE 202007014471 U 20071016

Abstract (en)

[origin: WO2009050032A1] The invention relates to a hinge for a packaging box or the like, having a first and a second hinge leaf. The second hinge leaf has a first bushing and a second bushing located at a distance therefrom, between which a bushing of the first hinge leaf can be rotated about a mutual hinge axis. An axial tube is rotationally fixed to the bushing of the first hinge leaf and is pivot-supported in the bushings of the second hinge leaf. A torsion spring is disposed in the axial tube and attached to one end of the axial tube. A torque support connects the other end of the torsion spring to the second hinge leaf in a rotationally fixed manner. A damper for the hinge movement is connected to the second hinge leaf and the axial tube. In a cylindrical hollow space of an outer opening, the hollow space being mutually formed by the three bushings (65a, 65b, 65c), the damper (56), the axial tube (53) containing the torsion spring (58), and the torque support (54a) are inserted successively starting at the second bushing (65b) of the second hinge leaf (52), and the torque support (54a) is prevented from rotating and from being axially displaced in the second bushing (65b) by a safety device (54d, 68a, 70, 72).

IPC 8 full level

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