

Title (en)  
Hinge for household appliance or furniture

Title (de)  
Scharnier für ein Haushaltsgerät oder Möbel

Title (fr)  
Charnière pour appareil ménager ou meuble

Publication  
**EP 1728952 B1 20080109 (DE)**

Application  
**EP 06009191 A 20060504**

Priority  
DE 102005025014 A 20050530

Abstract (en)  
[origin: EP1728952A1] The hinge attaches a door, cap or gripper strip to the body of a household appliance or piece of furniture. It has a hinge part (12) fixed to the body and a hinge part (10) fixed to the door and a device to equalize the weight of doors of different weights. The device has pre-tensioned spring mechanisms (24) on both hinge parts and an adjustment mechanism (22,26) to adjust the tensioning of the spring mechanism, into which torsional motion is introduced from outside, which is translated into force using the adjustment mechanism and is then partly converted. The force is further introduced to the spring mechanism by means of linear movements using the adjustment mechanism alone, whereby the spring mechanism likewise moves in a linear direction.

IPC 8 full level  
**E05D 7/086** (2006.01); **E05F 1/12** (2006.01)

CPC (source: EP)  
**E05D 7/086** (2013.01); **E05F 1/1223** (2013.01); **E05Y 2900/20** (2013.01)

Cited by  
US11105137B2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1728952 A1 20061206**; **EP 1728952 B1 20080109**; AT E383486 T1 20080115; DE 102005025014 A1 20061214;  
DE 502006000275 D1 20080221

DOCDB simple family (application)  
**EP 06009191 A 20060504**; AT 06009191 T 20060504; DE 102005025014 A 20050530; DE 502006000275 T 20060504