

Title (en)  
**BALANCED HINGE DEVICE**

Title (de)  
**AUSGLEICHSSCHARNIERVORRICHTUNG**

Title (fr)  
**DISPOSITIF DE CHARNIÈRE ÉQUILBRÉE**

Publication  
**EP 1999329 B1 20170510 (EN)**

Application  
**EP 07734023 A 20070319**

Priority  
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• **IT BO20060198 A 20060320**

Abstract (en)  
[origin: WO2007107848A2] A balanced hinge device (1) having connecting members first (51) and second (52) mutually connected and fit to be fixed respectively to a corresponding structure (54) and to a corresponding door (53) for the rotation of this latter between the end closing (C) and opening (A) conditions. In an operating condition of the structure (54), said door (53) is almost vertical at closing condition (C) and is approximately horizontal in the opening condition (A). Said device (1) comprises at least elastic means (59), fixed stop means (55) and rod means (56) having, at its end, at least a mobile stop means (57) and, at the other end, fixing means (58). The fixed stop means (55) is connected to the first connecting member (51) and the fixing means (58), of the rod means (56), is connected to the second connecting member (52) or vice versa. The elastic means (59) is interposed between the fixed stop means (55) and mobile (57) so that such elastic means (59) supply a counteracting force to the door weight in the opening, intermediate and end conditions.

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