

Title (en)  
HINGE DEVICE OF A SWINGING SHUTTER WITH TWO OPEN POSITIONS

Publication  
**EP 0237381 B1 19890906 (FR)**

Application  
**EP 87400270 A 19870205**

Priority  
FR 8601692 A 19860207

Abstract (en)  
[origin: EP0237381A1] 1. A device for pivoting and holding in three stable positions a pivotable shutter (3) for closing an opening (2), one of the edges of which is provided with a movable transverse member (9) engaged into the gutter of a fixed pivot mounting transverse member (1b) belonging to the frame (1) of the opening (2), in which the movable transverse member (9) is held in a position of bearing against a limb (6) of said gutter along at least one longitudinal pivot mounting surface (10a) by an elastic member (16) disposed within the gutter between the movable transverse member (9) and the other edge (7) of the gutter, characterised in that the elastic member is of variable orientation so that in the first position of the shutter (3) its effect is directed above said pivot mounting surface (10a) and in the second position of the shutter (3) its effect is directed below said surface (10a), the movable transverse member (9) comprising a pair of substantially parallel pivot mounting surfaces (10a, 11a) such that said pivot mounting surface (10a) is formed either by the upper surface (10a) of said pair when the shutter is in its first position or by the lower surface (11a) of said pair when the shutter is in its second position, the other surface (11a, 10a) then being moved away from said limb (6), the two surfaces (10a, 11a) being simultaneously in contact with the limb (6) in the third intermediate position of the shutter (3), the effect of the elastic member (16) then being directed between the two surfaces (10a, 11a).

IPC 1-7  
**B60J 1/12**; **E05D 11/10**; **E06B 3/38**

IPC 8 full level  
**B60J 1/12** (2006.01); **E05D 11/10** (2006.01); **E06B 3/38** (2006.01); **E05F 1/14** (2006.01)

CPC (source: EP)  
**E05D 11/1028** (2013.01); **E06B 3/38** (2013.01); **E05F 1/14** (2013.01); **E05Y 2900/506** (2013.01); **E05Y 2900/55** (2013.01)

Cited by  
FR2754299A1

Designated contracting state (EPC)  
AT BE CH DE ES GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0237381 A1 19870916**; **EP 0237381 B1 19890906**; AT E46210 T1 19890915; DE 237381 T1 19880114; DE 3760536 D1 19891012; ES 2010213 B3 19891101; FR 2594166 A1 19870814; FR 2594166 B1 19880520

DOCDB simple family (application)  
**EP 87400270 A 19870205**; AT 87400270 T 19870205; DE 3760536 T 19870205; DE 87400270 T 19870205; ES 87400270 T 19870205; FR 8601692 A 19860207