

Title (en)

A hinge for metal doors and windows

Title (de)

Ein Scharnier für metallische Türen und Fenster

Title (fr)

Une charnière pour portes et fenêtres métalliques

Publication

**EP 0794307 B1 20000726 (EN)**

Application

**EP 97830088 A 19970228**

Priority

IT BO960107 A 19960304

Abstract (en)

[origin: EP0794307A1] A hinge for metal doors and windows envisages that each bushing (7,8) be formed of two separate elements (11, 12), engaged with each other by axial coupling means (14, 15) reversible when the bushing (7, 8) is not inside a relative axial hole (9), and free to turn relative to each other: the first element (11) forms a cylinder to contain a pin (6) the hollow for the pin being off centre with respect to a longitudinal axis (X) of the bushing (7, 8); the other element (12) forms a first collar larger in diameter than the corresponding axial hole (9) that contains the bushing (7, 8); adjusting means (13) are envisaged on the first element (11) to vary the position of the first element (11) relative to the second element (12) when an external force is applied to the hinge body (1, 2), properly installed and in use, to turn it between two or more stable positions defined by grooves (1s, 2s) made in the axial hole (9). <IMAGE>

IPC 1-7

**E05D 7/00**

IPC 8 full level

**E05D 7/00** (2006.01); **E05D 5/14** (2006.01)

CPC (source: EP)

**E05D 7/0054** (2013.01); **E05D 5/14** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Cited by

US6682250B2; ITMI20111515A1; KR100434953B1; EP2182151A3; CN103397824A; CN106869653A; GB2342953A; GB2342953B; GB2403263A; GB2403263B; EP4123113A1; EP0992647A2; WO2022095763A1

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