

Title (en)

Heavy duty friction stay for openable member

Title (de)

Hochbelastbarer Reibungsaussteller für Öffnungselemente

Title (fr)

Entrebailleur à friction à usage intensif pour un élément d'ouverture

Publication

EP 1391578 A3 20090909 (EN)

Application

EP 03254938 A 20030808

Priority

CN 02247720 U 20020823

Abstract (en)

[origin: EP1391578A2] A friction stay 10 for controlling the opening and closing movement of an openable member relative to a fixed frame on which the member is mounted, in which the friction stay comprises: a track member 11 securable to a frame element of the fixed frame; a vent arm member 12 securable to a frame element of the openable member; a link arm 13 pivotally connected at one end 14 to one end 15 of the track member 11, and pivotally connected at its other end 16 to a pivot connection 17 on the vent arm member 12; a slide 18 mounted on the track member and having an end position, at or near to an opposite end 19 of the track member 11, to correspond with a closed position of the openable member, and being movable along the track member 11 away from the end position and in a direction towards said one end 15 of the track member 18 in order to control the movement of the friction stay between the closed position in which the components of the stay overlies the track, and any required open position of the friction stay: in which at least one end 14, 16 of the link arm 13 has a curved bearing surface 26, 29, adjacent to its pivot connection to the respective one of the vent arm member 12 or track member 11, and which is engageable with a corresponding curved bearing surface 27, 30 on the member so as to relieve at least some of the load applied to the pivot connection 17, 32 during opening and / or closing movement of the friction stay.

IPC 8 full level

E05D 11/08 (2006.01); **E05D 15/44** (2006.01); **E05D 5/12** (2006.01)

CPC (source: EP)

E05D 11/08 (2013.01); **E05D 15/44** (2013.01); **E05F 7/06** (2013.01); **E05D 5/12** (2013.01); **E05Y 2201/628** (2013.01); **E05Y 2600/508** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

[A] GB 2081804 A 19820224 - SECURISTYLE LTD

Cited by

WO2005081887A3

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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