

Title (en)
Friction hinge assembly

Title (de)
Reibungsscharnier

Title (fr)
Ensemble de charnière à friction

Publication
EP 1106766 A2 20010613 (EN)

Application
EP 00309669 A 20001101

Priority
GB 9928846 A 19991207

Abstract (en)
A friction hinge assembly (40) for mounting an openable closure member (62), such as a top hung or side hung window, on a fixed frame (63), and which comprises a guide track (41) which is securable to a fixed frame member of the fixed frame and a linkage (42) which is connected to the guide track (41) so as to be moveable between open and closed positions relative to the guide track (41) and which has a mounting arm (43) which is securable to a frame element of the moveable closure member (62), and in which: the guide track (41) has a retainer (54) secured to one end of the guide track and having an upstanding retaining formation (57); the mounting arm (43) has a hook (58) secured to one end and which is moveable into engagement with the upstanding retaining formation (57) as the linkage (42) moves to the closed position; the engagement between the hook (58) and the retaining formation (57) provides a resisting force which is directly opposite to any separating force applied between the fixed frame (63) and the moveable frame (62) in the region of the hinge axis (65) provided by the friction hinge assembly (40); and, the greater the separating force which is applied, the more will the hook (58) move into captive engagement with the retaining formation (57) to provide an enhanced resisting force.
<IMAGE>

IPC 1-7
E05D 15/30; **E05D 15/44**

IPC 8 full level
E05D 15/44 (2006.01); **E05D 15/30** (2006.01)

CPC (source: EP)
E05D 15/44 (2013.01); **E05D 15/30** (2013.01); **E05Y 2900/148** (2013.01)

Cited by
GB2370605A; GB2370605B; GB2373290A; GB2373290B

Designated contracting state (EPC)
ES GB GR

DOCDB simple family (publication)
EP 1106766 A2 20010613; **EP 1106766 A3 20010704**; GB 9928846 D0 20000202; TW 415505 U 20001211

DOCDB simple family (application)
EP 00309669 A 20001101; GB 9928846 A 19991207; TW 89204195 U 20000316