

Title (en)  
SECURING SYSTEM FOR A HINGED PANEL

Publication  
**EP 0167386 A3 19861015 (EN)**

Application  
**EP 85304695 A 19850701**

Priority  
GB 8417165 A 19840705

Abstract (en)  
[origin: EP0167386A2] A securing system for a hinged panel such as a hollow stile window or door comprises a rotatable handle (17) which drives a rotatable pinion (19) acting on a slidable rack (20). The projecting operating member (24) of the rack (20) acts between a pair of abutments (25) fixed to a slidable espagnolette part (12), to move the slidable part (12) relative to a fixed espagnolette part (11) secured to an edge of the window stile. Rollers (15), which may be tapered or flanged, can be engaged or disengaged with keepers (16) in a fully locked position (30) or a locked ventilation position (31). Optional variations of the system incorporate a two or three point locking bar system driven by the rack and pinion and a multi point espagnolette system acting on three or four sides of the hinged window panel. Different widths of stile including slimline stiles can be accommodated using slotted fixing members (22) in one plane and by the configuration of the drive element (24) in a perpendicular plane.

IPC 1-7  
**E05C 9/06**; **E05C 9/02**

IPC 8 full level  
**E05C 9/02** (2006.01)

CPC (source: EP)  
**E05C 9/021** (2013.01); **E05C 9/063** (2013.01); **E05C 9/24** (2013.01)

Citation (search report)  
• [X] GB 2072740 A 19811007 - GKN CROMPTON  
• [Y] DE 1784674 A1 19710909 - FRANK GMBH WILH  
• [Y] FR 2207516 A5 19740614 - GILLET ROQUIGNY SA [FR]  
• [Y] DE 2436266 A1 19760212 - WEIDTMANN FA WILHELM

Cited by  
EP1593799A3; EP0841449A1; FR2755461A1; GB2279396A; GB2279396B; GB2245641A; GB2245641B; BE1014943A3; EP1460216A3; US6574927B2

Designated contracting state (EPC)  
BE DE FR IT NL SE

DOCDB simple family (publication)  
**EP 0167386 A2 19860108**; **EP 0167386 A3 19861015**; DK 306685 A 19860106; DK 306685 D0 19850704; GB 2161208 A 19860108; GB 2161208 B 19881229; GB 8417165 D0 19840808; GB 8516558 D0 19850807; NO 852682 L 19860106

DOCDB simple family (application)  
**EP 85304695 A 19850701**; DK 306685 A 19850704; GB 8417165 A 19840705; GB 8516558 A 19850701; NO 852682 A 19850703