

Title (en)
CLOSING AND LATCHING ARRANGEMENT FOR DOORS AND THE LIKE

Publication
EP 0158069 B1 19890301 (DE)

Application
EP 85102005 A 19850223

Priority
DE 8413184 U 19840407

Abstract (en)
[origin: EP0158069A1] 1. A closing and locking device for a door or the like with an immovable closing element (10, 11, 13, 14) which is held by at least one screw (17, 22, 18) preferably disposed in the plane of the door, the immovable and non-displaceable closing element (10, 11, 13, 14) being supported by at least one additional fixing element (20, 27, 23, 25, 21), the longitudinal axis of the additional fixing element or at least a part thereof extending transversely to that of the screw (17, 22, 18), the additional fixing element being also constructed as a wood screw or as a metal bolt with a nut or the like, the inner end of which engages into the female thread (24, 26) in the interior of the fixed frame (3) or of a frame on the door or the like, and in that a plurality of such closing elements are provided, the closing members (8) which cooperate with an immovable closing element (11) being fixed on a drive rod (7) or the like, the drive rod being guided with a small clearance in the region of the closing member (8) in a metal guide piece (35), the guide piece (35) being formed by the inner end of a guide bolt (36) which is pushed into a housing (37) in the associated door member (9) or guide bolt (36) which is pushed into the marginal zone of the door.

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E05C 1/00; **E05C 9/00**; **E05C 21/00**

IPC 8 full level
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CPC (source: EP)
E05B 15/0205 (2013.01)

Citation (opposition)
Opponent : ROTO FRANK AG
• DE 2613267 A1 19770929 - FLIETHER FA KARL
• DE 3202253 A1 19820826 - GRUNDMANN ROHRBACHER SCHLOSSER [AT]
• DE 2553607 A1 19770608 - MORALT KG AUGUST
• AT 287535 B 19710125 - FRANK GMBH WILH [DE]
• DE 1995891 U 19681031 - JAEGER FRANK K G FA [DE]
• DE 2449176 B1 19750731 - VER BAUBESCHLAG GRETSCH CO [DE]
Opponent : SIEGENIA-FRANK KG
• EP 0007395 A1 19800206 - GRETSCH UNITAS GMBH [DE]
• CA 1142202 A 19830301 - HAMILTON WILLIAM J
• CH 529284 A 19721015 - FRANK GMBH WILH [DE]
• US 3970340 A 19760720 - TAFT KENNETH E
• US 4105235 A 19780808 - THIEL FRANK C
• DE 348261 C 19220203 - FRANZ RAPSCH
• DE 1708235 A1 19710429 - SIEGENIA FRANK KG

Designated contracting state (EPC)
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EP 0158069 A1 19851016; **EP 0158069 B1 19890301**; **EP 0158069 B2 19930825**; AT E41040 T1 19890315; DE 8413184 U1 19840809

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