

Title (en)

Lock for shutters, basculating doors and the like

Title (de)

Schloss für Falltüren, Schwingtüren und dergleichen

Title (fr)

Serrure pour rideaux, portes basculantes et similaires

Publication

EP 0853175 B1 20030326 (FR)

Application

EP 97204092 A 19971223

Priority

IT TO970015 A 19970113

Abstract (en)

[origin: EP0853175A1] The lock consists of a cylinder (2) which is turned by a key bit and central (15) and side (12) gears which operate bolts (18). The central gear is in the form of a crown wheel with external teeth, surrounding the cylinder and turning about an axis (0') which is offset relative to that of the bit turning the cylinder. It also has two inward-facing lugs (17) forming a recess for the key bit to engage with and cover a limited arc corresponding to the engagement and disengagement of the bolts. Each of the side gears controls one of the bolts using an eccentric pivot which engages with a slot (11) in the bolt extending perpendicular to its direction of travel. The distance between the pivot and the axis of the gear is equal to half the length of the bolt travel.

IPC 1-7

E05B 17/04; **E05C 9/04**

IPC 8 full level

E05B 17/04 (2006.01); **E05C 9/04** (2006.01)

CPC (source: EP)

E05B 17/042 (2013.01); **E05C 9/042** (2013.01); **E05C 9/047** (2013.01); **E05C 9/10** (2013.01)

Cited by

CN112324248A; EP1348825A1; EP3757320A1; IT201900010287A1; US8459702B2; EP2112302A1; FR2930582A1; EP3757320B1

Designated contracting state (EPC)

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