

Title (en)
Sliding bar lock

Title (de)
Treibstangenschloss

Title (fr)
Crémone-serrure

Publication
EP 0545899 B1 19960103 (DE)

Application
EP 93101846 A 19890117

Priority
• DE 3801235 A 19880118
• EP 89100739 A 19890117

Abstract (en)
[origin: EP0325215A2] In an espagnolette lock, the espagnolette is moved from a lock cylinder via a reduction gear between an opening position and closing position and vice versa. There is provided a coupling of the reduction gear to the espagnolette which makes it possible during the rotation of the lock cylinder through 2 x 360 DEG , to displace the espagnolette from the opening position into the closing position and to block the espagnolette in the closing position against displacement, without the blocking forces introducing a torque into the reduction gear and therefore the lock cylinder. <IMAGE>
[origin: EP0325215A2] The door lock has a cylinder (10) which is rotated by a key. The cylinder has an attached gear wheel which drives two pinions. The first pinion (12) rotates a lever (38) with a slotted end, which engages a pin (40) attached to the bolt (18) so that, as the key is rotated in the lock, the bolt is driven into the locked position by a connecting rod (16). The second pinion (12') drives a gear train which rotates a cam with two projections (24, 24'). The latter engage recesses (26, 26') in the sliding connecting rod. The latter forms part of a long flat bar which actuates other locks attached to the door.

IPC 1-7
E05C 9/02

IPC 8 full level
E05C 9/02 (2006.01); **E05B 15/00** (2006.01); **E05B 17/20** (2006.01); **E05C 9/18** (2006.01)

CPC (source: EP)
E05C 9/023 (2013.01); **E05B 15/004** (2013.01); **E05B 17/2034** (2013.01); **E05C 9/1875** (2013.01)

Cited by
EP0974722A3; EP1164246A3; EP0633378A3; EP1352139A4; CN106245996A; EP1197622A3; EP1826339A1; EP1184530A1

Designated contracting state (EPC)
AT BE DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0325215 A2 19890726; EP 0325215 A3 19900523; EP 0325215 B1 19930825; AT E132568 T1 19960115; AT E93569 T1 19930915; DE 58905344 D1 19930930; DE 58909562 D1 19960215; EP 0545899 A2 19930609; EP 0545899 A3 19930811; EP 0545899 B1 19960103; ES 2045201 T3 19940116; ES 2085061 T3 19960516

DOCDB simple family (application)
EP 89100739 A 19890117; AT 89100739 T 19890117; AT 93101846 T 19890117; DE 58905344 T 19890117; DE 58909562 T 19890117; EP 93101846 A 19890117; ES 89100739 T 19890117; ES 93101846 T 19890117