

Title (en)
Lock with spring-suspended bolt head

Title (de)
Schloss mit abgefedertem Riegelkopf

Title (fr)
Serrure à tête de pêne suspendue sur ressort

Publication
EP 0699814 A3 19960605 (DE)

Application
EP 95107334 A 19950515

Priority
DE 9413792 U 19940829

Abstract (en)
[origin: EP0699814A2] The lock has a cylinder activated bolt (1) comprising a bolt-head (3) and a bolt-tail (5) with a spring contained between them within a slot (8) in the guide case (6). The length of the slot is pref. less than the maximum length of travel of the bolt-head. The bolt-tail slides within the lock housing (4) as the cylinder turns. The spring compresses and cause the bolt-head to pass through the coverplate (2) into a strike (29) to lock the door. In narrow gaps, when the bolt-head is halted by the strike backplate the bolt-tail can continue to slide and further compresses the spring.

IPC 1-7
E05B 63/00

IPC 8 full level
E05B 15/10 (2006.01); **E05B 63/00** (2006.01); **E05B 63/06** (2006.01); **E05C 17/16** (2006.01)

CPC (source: EP)
E05B 15/102 (2013.01); **E05B 63/06** (2013.01); **E05C 17/166** (2013.01)

Citation (search report)
• [XA] DE 1191255 B 19650415 - DAIMLER BENZ AG
• [XA] FR 2597539 A1 19871023 - TIRARD SA JEAN [FR]
• [AD] DE 3721670 A1 19890119 - MELCHERT BESCHLAEGE [DE]

Cited by
FR2824863A1; EP0816611A3

Designated contracting state (EPC)
AT CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0699814 A2 19960306; EP 0699814 A3 19960605; EP 0699814 B1 19991215; AT E187798 T1 20000115; DE 59507422 D1 20000120; DE 9413792 U1 19960104; DK 0699814 T3 20000613; ES 2139775 T3 20000216

DOCDB simple family (application)
EP 95107334 A 19950515; AT 95107334 T 19950515; DE 59507422 T 19950515; DE 9413792 U 19940829; DK 95107334 T 19950515; ES 95107334 T 19950515