

Title (en)
Lock with flat tumblers

Title (de)
Schloss mit Zuhaltungsplättchen

Title (fr)
Serrure à paillettes

Publication
EP 0780532 B1 20011017 (EN)

Application
EP 96120079 A 19961213

Priority
IT BO950594 A 19951220

Abstract (en)
[origin: EP0780532A1] A lock with flat tumblers, comprising a box-shaped body (1) wherein a bolt (9) is slidingly accommodated, the bolt (9) having a tang (10) which is provided with a set of teeth (11) for moving the bolt (9) by means of a double-pattern actuation key and with a locking pin (31) engaging into openings (28) of tumblers (18-20) which are elongated in the bolt sliding direction and have, along their longitudinal edges, mutually opposite teeth (29, 30) forming passages wherethrough the pin (31) advances by successive stops, the tumblers (18-20) being movable at right angles to the tang (10) in contrast with elastic return elements constituted by cylindrical helical springs (38), the tumblers (18-20) being provided with respective expanded portions (24) which protrude from the key engagement edge and have abutment tabs (32-34) for the springs (38), the springs being arranged at right angles to the bolt sliding direction between the tabs (32-34) and a supporting element (40) adjacent to the edge. <IMAGE>

IPC 1-7
E05B 63/00; **E05B 21/00**

IPC 8 full level
E05B 21/00 (2006.01); **E05B 63/00** (2006.01); **E05B 15/04** (2006.01)

CPC (source: EP)
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Cited by
EP0903455A3; GB2439327A; GB2439327B

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EP 0780532 A1 19970625; **EP 0780532 B1 20011017**; ES 2162644 T3 20020101; IT 1279714 B1 19971216; IT BO950594 A0 19951220; IT BO950594 A1 19970620; PT 780532 E 20020328

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