

Title (en)

Locking device consisting of a locking cylinder and associated flat key.

Title (de)

Aus Schliesszylinder und assoziiertem flachen Schlüssel bestehende Verschlusseinrichtung.

Title (fr)

Dispositif de fermeture consistant en un cylindre de serrage et une clé plate associée.

Publication

EP 0237172 B2 19950405 (EN)

Application

EP 87300939 A 19870203

Priority

DE 3603687 A 19860206

Abstract (en)

[origin: EP0237172A2] For operating one or more additional tumblers (17) which (or each of which) extends parallel to the keyway (8) of a lock cylinder (1), the or each such tumbler (17) has a projection (N) which projects into the keyway (8) through the side wall thereof. The key (6) has a recess (E) formed at the end of its blade (7) for receiving the or each projection (N) when the key (6) is inserted in the keyway (8), the shape of the recess (E) operating the or each additional tumbler (17) to bring its ends within the joint line (F) of the cylinder plug (5) and housing (2). Three profile variations of the recess (E) are proposed.

IPC 1-7

E05B 27/00

IPC 8 full level

E05B 27/00 (2006.01); **E05B 27/10** (2006.01)

CPC (source: EP KR)

E05B 27/00 (2013.01 - KR); **E05B 27/0042** (2013.01 - EP); **E05B 27/0078** (2013.01 - EP); **E05B 27/10** (2021.08 - EP)

Cited by

US8230708B2; US5079936A; EP0784138A1; GB2266918B; US9435138B2; CN106460405A; US8281628B2; AT541U1; EP4269728A1; GB2230555A; GB2230555B; EP1528195A3; US9127480B2; US9074390B2; US8186194B2; GB2433959A; CN100402786C; US5797287A; AU2018271334B2; WO2011053317A1; US10024079B2; US10745937B2; US11702862B2; WO2010096008A1; WO03014498A1; WO2010096007A1; WO2010121332A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0237172 A2 19870916; EP 0237172 A3 19880107; EP 0237172 B1 19890726; EP 0237172 B2 19950405; AT E45002 T1 19890815; DE 3603687 A1 19870813; DE 3603687 C2 19880922; DE 3760370 D1 19890831; ES 2010210 B3 19891101; ES 2010210 T5 19950816; IN 170447 B 19920328; KR 870008093 A 19870924; KR 960001856 B1 19960206

DOCDB simple family (application)

EP 87300939 A 19870203; AT 87300939 T 19870203; DE 3603687 A 19860206; DE 3760370 T 19870203; ES 87300939 T 19870203; IN 106DE1987 A 19870211; KR 870001041 A 19870206