

Title (en)
CYLINDER LOCK WITH REPLACEABLE PLUG

Title (de)
ZYLINDERSCHLOSS MIT AUSWECHSELBAREM STOPFEN

Title (fr)
SERRURE DOTEE D'UN BARILLET REMPLA ABLE

Publication
EP 1038079 B1 20031112 (EN)

Application
EP 98963688 A 19981208

Priority
• SE 9802243 W 19981208
• SE 9704610 A 19971210

Abstract (en)
[origin: WO9929985A1] In a cylinder lock-key combination an operator key with a back profile (34a-e, 35) is used, which profile interacts with concentric grooves (16a-e) in a cavity for the cylinder plug (20) to retain the plug against longitudinal movement in certain rotary positions. This feature is combined with protrusions (27) provided on the plug, which protrusions interact with the concentric grooves. Further, the cavity is provided with a longitudinal groove (17) that permits mutual longitudinal movement between the plug and the housing when said groove (17) is aligned with the protrusions on the plug. The plug is easy to replace when a service key lacking a back profile is used. This construction also gives a better mounting of the plug than with known locks.

IPC 1-7
E05B 9/08; **E05B 27/00**; **E05B 15/06**

IPC 8 full level
E05B 9/08 (2006.01); **E05B 15/06** (2006.01); **E05B 19/00** (2006.01); **E05B 27/00** (2006.01)

CPC (source: EP)
E05B 9/086 (2013.01); **E05B 19/0017** (2013.01)

Cited by
CN104708273A

Designated contracting state (EPC)
GB

DOCDB simple family (publication)
WO 9929985 A1 19990617; **WO 9929985 A8 19991028**; AU 1895999 A 19990628; AU 743807 B2 20020207; AU 7884698 A 19990701; CZ 20002153 A3 20010516; CZ 297960 B6 20070509; EE 04441 B1 20050215; EE 200000347 A 20011015; EP 1038079 A2 20000927; EP 1038079 B1 20031112; HU 224561 B1 20051028; HU P0101123 A2 20010928; HU P0101123 A3 20020228; IL 136649 A0 20010614; IL 136649 A 20030917; NZ 331247 A 20000128; PL 189468 B1 20050831; PL 341068 A1 20010326; SE 511113 C2 19990809; SE 9704610 D0 19971210; SE 9704610 L 19990611; TR 200001664 T2 20001023; YU 35700 A 20021018; YU 49284 B 20050315; ZA 9811281 B 19990609

DOCDB simple family (application)
SE 9802243 W 19981208; AU 1895999 A 19981208; AU 7884698 A 19980806; CZ 20002153 A 19981208; EE P200000347 A 19981208; EP 98963688 A 19981208; HU P0101123 A 19981208; IL 13664998 A 19981208; NZ 33124798 A 19980805; PL 34106898 A 19981208; SE 9704610 A 19971210; TR 200001664 T 19981208; YU 35700 A 19981208; ZA 9811281 A 19981209