Title (en)

Cylinder lock.

Title (de)

Zylinderschloss.

Title (fr)

Serrure cylindrique.

Publication

EP 0103532 A2 19840321 (EN)

Application

EP 83630145 A 19830909

Priority

IL 6676682 A 19820910

Abstract (en)

A cylindrical lock comprises a plug (12) rotatable within its bore and having a keyway (14) for reception of a key (2) having a shank (4) formed with a longitudinally-extending groove (7) of special configuration, and a line of pins (20, 30) carried by the plug and movable transversely along a line eccentric thereto. Each of the pins is formed with a notch (23) which are all alignable when the pins are moved to their unlocking positions by the key. The plug further includes an elongated locking pin (44, 46) normally seated within axially-extending grooves (28, 38, 40, 42) of the plug and housing (10) such as to lock the plug against rotation within the housing, but when all the notches of the pin are axially aligned by a proper key, the locking pin unseats from the axially-extending groove of the housing to free the plug for rotation within the housing.

IPC 1-7 (main, further and additional classification)

E05B 27/00; E05B 29/10; E05B 31/00

IPC 8 full level (invention and additional information)

E05B 27/00 (2006.01); **E05B 29/04** (2006.01); **E05B 29/06** (2006.01); E05B 19/00 (2006.01); E05B 27/10 (2006.01)

CPC (invention and additional information)

E05B 27/0082 (2013.01); E05B 19/0076 (2013.01); E05B 27/0078 (2013.01); E05B 2027/10 (2013.01)

Cited by

EP2055870A1; EP2003272A1; FR2917444A1; US4815307A; US4756177A; US5826451A; US5454246A; US6758074B1; US6477876B1; US5582050A; US4977767A; AU613020B2; WO8906733A1; WO03062570A1; US7621163B2; US7370502B2

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