

Title (en)

Pin tumbler locks.

Title (de)

Schlösser mit Stiftzuhaltungen.

Title (fr)

Serrures avec broches à gorges.

Publication

EP 0006765 A1 19800109 (EN)

Application

EP 79301277 A 19790702

Priority

US 92176978 A 19780703

Abstract (en)

A pin tumbler lock comprises a housing member (41), a sleeve member (43) axially and rotationally positioned within the housing member (41) and a plug member (46) rotatably received within the sleeve member (43). Operation of the lock requires release of the two shear surfaces defined by the contact surfaces of the sleeve, housing, and plug members. Transversely parallel extending bores (53, 54, 55) formed through the three members receive elements of a locking stack assembly (51). The locking stack assembly includes tumbler pins (56), driver pins (58), change wafers (59) and locking pins (57). Upon insertion of a proper key, the interfaces between the locking stack elements are positioned at the two shear surfaces thereby allowing operation of the lock. The sleeve member (43) additionally includes chambers (61) containing change wafers (59) and the relative position of the locking pins (57) can be selectively changed in the locking stack assembly upon positioning the sleeve member (43) in combination changing position.

IPC 1-7

E05B 27/04

IPC 8 full level

E05B 27/00 (2006.01); **E05B 27/04** (2006.01)

CPC (source: EP)

E05B 27/005 (2013.01)

Citation (search report)

- US 2326358 A 19430810 - HULL HOMER L
- US 2113007 A 19380405 - SWANSON GUNNARD E
- GB 955828 A 19640422 - AMERICAN HARDWARE CORP
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