

Title (en)

Flat key for lock cylinder with pin tumblers, whereby the lock cylinder is part of a lock system

Title (de)

Flachschlüssel für mit Stiftzuhaltungen ausgestattete Schliesszylinder einer Schliessanlage

Title (fr)

Cléf plate pour une serrure à goupilles d'un système de verrouillage

Publication

EP 0861957 B1 20030723 (DE)

Application

EP 97119312 A 19971105

Priority

DE 19707932 A 19970227

Abstract (en)

[origin: EP0861957A2] The key shaft has a basic profile with T-shaped cross-section. The T-bar forms a guide arm with guide surfaces. The vertical T stem running along the lengthwise centre plane forms the breast at the end side, and possesses broad side surfaces for forming profiled ridges which have curved cross-sectional outlines. The opposite-facing broad side surfaces (5,6) each form at least one longitudinal groove (7,8) with a groove-base protruding beyond the lengthwise centre plane (M-M). The sides of the groove and the breast surface (4) run in a circle or ellipse at a tangent from the broad side surfaces.

IPC 1-7

E05B 19/00

IPC 8 full level

E05B 19/00 (2006.01); **E05B 19/06** (2006.01)

CPC (source: EP US)

E05B 19/0029 (2013.01 - EP US); **Y10T 70/7864** (2015.04 - EP US); **Y10T 70/787** (2015.04 - EP US)

Cited by

CZ302949B6

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0861957 A2 19980902; **EP 0861957 A3 20000405**; **EP 0861957 B1 20030723**; AT E245752 T1 20030815; CA 2230832 A1 19980827; CA 2230832 C 20060221; DE 19707932 A1 19980903; DE 19707932 C2 20000302; DE 59710470 D1 20030828; DK 0861957 T3 20031117; ES 2201238 T3 20040316; PT 861957 E 20031031; US 6145357 A 20001114

DOCDB simple family (application)

EP 97119312 A 19971105; AT 97119312 T 19971105; CA 2230832 A 19980226; DE 19707932 A 19970227; DE 59710470 T 19971105; DK 97119312 T 19971105; ES 97119312 T 19971105; PT 97119312 T 19971105; US 2266098 A 19980212