

Title (en)
Flat key and cylinder lock

Title (de)
Flachschlüssel und Zylinderschloss

Title (fr)
Clé plate et serrure cylindrique

Publication
EP 1055788 A1 20001129 (DE)

Application
EP 00101034 A 20000120

Priority
AT 93899 A 19990526

Abstract (en)
[origin: US6427506B1] A lock has a flat key having a flat blade extending along a key axis and having an axially extending edge formed to each side of a central axially extending key plane with a pair of axially extending inner edge surfaces flanking the key plane and each formed with a plurality of bits offset transversely at different spacings from the key axis. The bits on one side of the key plane are offset axially to the bits on the other side of the key plane as described above. A barrel having an inner surface centered on a lock axis holds a plug rotatable about the lock axis in the barrel, bisected by a plug plane including the lock axis, and formed with an axially extending and open key hole adapted to receive the key with the axes coaxial and the planes coplanar. A respective set of axially spaced tumblers is dis-placeable in the plug to each side of the plug plane parallel to the plug plane. The tumblers of one of the sets engage the key in the hole at locations offset axially from the tumblers of the other set. Respective springs urge the tumblers radially out-ward.

Abstract (de)
Bei einem Flachschlüssel für Zylinderschloß, wobei der Flachschlüssel wenigstens eine Steuerkurve mit Schlüssel-Steuerflächen aufweist, die von Kernstiften abtastbar sind, wird vorgeschlagen, daß der Flachschlüssel einen durch wenigstens zwei Steuerkurven (linke (32,33) und rechte (34,35) Steuerkurve) gebildeten Schlüsselbart aufweist, die zu beiden Seiten unmittelbar entlang der Mittellängsebene des Schlüssels angeordnet sind und daß die Abtaststellen (36,37) zu beiden Seiten der Mittellängsebene zueinander versetzt sind. <IMAGE>

IPC 1-7
E05B 27/00

IPC 8 full level
E05B 19/00 (2006.01); **E05B 19/10** (2006.01); **E05B 27/00** (2006.01)

CPC (source: EP US)
E05B 19/0017 (2013.01 - EP US); **E05B 27/0082** (2013.01 - EP US); **E05B 19/0052** (2013.01 - EP US); **E05B 27/0078** (2013.01 - EP US); **Y10T 70/7565** (2015.04 - EP US); **Y10T 70/7605** (2015.04 - EP US); **Y10T 70/7616** (2015.04 - EP US); **Y10T 70/7684** (2015.04 - EP US); **Y10T 70/7729** (2015.04 - EP US); **Y10T 70/7802** (2015.04 - EP US); **Y10T 70/7819** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - EP US); **Y10T 70/7938** (2015.04 - EP US); **Y10T 70/7944** (2015.04 - EP US)

Citation (search report)
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US 6427506 B1 20020806; AT 409019 B 20020527; AT A93899 A 20010915; AT E394566 T1 20080515; CH 693572 A5 20031015; CZ 295156 B6 20050615; CZ 9904706 A3 20010613; DE 29922815 U1 20000224; DE 50015140 D1 20080619; DK 1055788 T3 20080901; EP 1055788 A1 20001129; EP 1055788 B1 20080507; ES 2306639 T3 20081116; FR 2794159 A3 20001201; FR 2794159 B3 20010511; GB 0000836 D0 20000308; GB 2350398 A 20001129; GB 2350398 B 20030917; HK 1030646 A1 20010511; HR P20000060 A2 20001231; HR P20000060 B1 20081031; HU 222080 B1 20030428; HU 9904700 D0 20000328; HU P9904700 A2 20010528; IE S20000374 A2 20010207; NL 1014019 C1 20001128; NO 996370 D0 19991221; NO 996370 L 20001127; PT 1055788 E 20080819; SI 1055788 T1 20081031; SK 188599 A3 20010212; SK 284996 B6 20060406; TR 200001509 A2 20001221; TR 200001509 A3 20001221

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