

Title (en)
Flat key for cylinder lock

Title (de)
Flachschlüssel für ein Zylinderschloss

Title (fr)
Clef platte pour serrure cylindrique

Publication
EP 0812971 B1 20030305 (DE)

Application
EP 97107497 A 19970507

Priority
AT 104196 A 19960613

Abstract (en)
[origin: EP0812971A2] Two or more permanent magnet pellets (4) are mounted in the shank (2) of the key, and a lengthwise profiled groove is formed in the front and/or rear of the key. One at least of the grooves forms a control groove (7), and is widened and deepened (9) between adjacent pellets. The groove cross-section can be a scalene right-angled triangular, whose hypotenuse is formed by the flat side of the key. The longer of the other two sides forms a groove flank sloping from the flat side to the groove bottom, which forms the shorter side. On the opposite side of the key there can be a further lengthwise groove, whose bottom is parallel to the flank of the first groove (7).

IPC 1-7
E05B 19/00

IPC 8 full level
E05B 19/00 (2006.01); **E05B 29/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)
E05B 19/0017 (2013.01); **E05B 47/0045** (2013.01)

Cited by
GB2382102A; GB2382102B; EP1503010A1; EP1350909A1; EP1867810A1; EA014634B1; WO2008070801A3; WO2007144093A1; EP2492421B1

Designated contracting state (EPC)
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