

Title (en)
Key-operated cylinder lock

Title (de)
Mit Schlüssel zu bedienendes Zylinderschloss

Title (fr)
Serrure cylindrique actionnée par une clé

Publication
EP 0631029 B1 19990407 (EN)

Application
EP 94108480 A 19940601

Priority
• JP 2975493 U 19930603
• JP 2975593 U 19930603

Abstract (en)
[origin: EP0631029A2] A key-operated cylinder lock includes a rotor casing; a rotor having a key inserting channel, which is rotatably arranged in the rotor casing; a permanent magnet provided in the rotor near the key inserting channel; a magnetic detecting element provided in the rotor casing in such a manner that the magnetic flux of the permanent magnet acts on the magnetic detecting element; a magnetic shutter swingably provided in the rotor in such a manner as to open and close the key inserting channel, the shutter being made of a magnetic material and adapted to interrupt the application of the magnetic flux of the permanent magnet to the magnet detecting element when the shutter is swung to a channel closing position to close the key inserting channel by a key inserted into the key inserting channel; and a spring member provided in the rotor, which is adapted to urge the shutter towards the channel closing position <IMAGE>

IPC 1-7
E05B 17/18; **E05B 17/22**; **E05B 45/10**

IPC 8 full level
E05B 17/18 (2006.01); **E05B 17/22** (2006.01); **E05B 45/10** (2006.01)

CPC (source: EP)
E05B 17/181 (2013.01); **E05B 17/22** (2013.01); **E05B 45/10** (2013.01)

Cited by
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EP 0631029 A2 19941228; **EP 0631029 A3 19950830**; **EP 0631029 B1 19990407**; DE 69417628 D1 19990512; DE 69417628 T2 19990722

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