

Title (en)
Lock cylinder with plate tumblers

Title (de)
Zylinderschloss mit Zuhaltungsplättchen

Title (fr)
Serrure cylindrique à paillettes

Publication
EP 0571172 B1 19960904 (EN)

Application
EP 93303815 A 19930518

Priority
DE 4216801 A 19920521

Abstract (en)
[origin: EP0571172A1] A lock cylinder has resilient plate tumblers (8) which are arranged in the rotatable cylinder core (1) and project beyond the rotary joint (F) between the cylinder core (1) and the cylinder housing (3) into chambers (10) of the cylinder housing (3) in the checking position of the cylinder core (1). For achieving release of the cylinder core (1) for rotation thereof, the tumblers (8) may be set by indentations (7) of the key (6) into a position in which the plate tumblers (8) no longer protrude beyond the rotary joint (F). Removal of the key is checked when the key (6) has been turned, by axial shifting of the cylinder core (1) in the cylinder housing (3) such that the end face (19) of at least one plate tumbler (8) passes below a chamber wall (20) of the cylinder housing (3) blocking displacement of the plate tumbler (8) beyond the rotary joint (F). <IMAGE>

IPC 1-7
E05B 29/00

IPC 8 full level
E05B 29/00 (2006.01); **E05B 29/04** (2006.01)

CPC (source: EP)
E05B 29/00 (2013.01); **E05B 29/0026** (2013.01)

Cited by
CN112709499A; US7360382B2; WO2006086316A1; JP2008530397A

Designated contracting state (EPC)
DE DK FR GB NL

DOCDB simple family (publication)
EP 0571172 A1 19931124; EP 0571172 B1 19960904; DE 4216801 A1 19931125; DE 69304414 D1 19961010; DE 69304414 T2 19970213; DK 0571172 T3 19970224

DOCDB simple family (application)
EP 93303815 A 19930518; DE 4216801 A 19920521; DE 69304414 T 19930518; DK 93303815 T 19930518