

Title (en)
LOCK CYLINDER

Title (de)
SCHLIESSZYLINDER

Title (fr)
BARILLET DE SÛRETÉ

Publication
EP 2494130 B1 20181212 (DE)

Application
EP 10803367 A 20101001

Priority
• DE 102009050381 A 20091022
• DE 2010075102 W 20101001

Abstract (en)
[origin: WO2011047675A2] The invention relates to a lock cylinder (1), comprising a housing (2), in which a sleeve (3) having a cylinder core (4) accommodated therein is rotatably supported. The cylinder core (4) comprises spring-loaded tumblers (5), which form a form closure with holes arranged in the sleeve (3) when a key is removed. Inside the housing (2), the sleeve (3) is coupled to a coupling element (7) by means of a disengaging sleeve (6), wherein the coupling element (7) is supported inside the housing (2) and the coupling element (7) is connected to a bearing (14). An elastic spring element (18, 18') is arranged between the coupling element (7) and the bearing (14), wherein the elastic spring element (18, 18') is sufficiently deformable to ensure a decoupling of the cylinder core (4) with the coupling element (7) when an improper object is used in operative connection to the cylinder core (4).

IPC 8 full level
E05B 17/00 (2006.01); **E05B 17/04** (2006.01)

CPC (source: EP)
E05B 17/04 (2013.01); **E05B 17/0058** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102009050381 A1 20110428; EP 2494130 A2 20120905; EP 2494130 B1 20181212; WO 2011047675 A2 20110428;
WO 2011047675 A3 20110623

DOCDB simple family (application)
DE 102009050381 A 20091022; DE 2010075102 W 20101001; EP 10803367 A 20101001