Title (en)
  Safety lock

Title (de)
  Sicherheitsschloss

Title (fr)
  Serrure de sécurité

Publication
  EP 1826339 A1 20070829 (EN)

Application
  EP 07100224 A 20070108

Priority
  IT TO20060115 A 20060217

Abstract (en)
  A safety lock comprises a lock-bolt element (3), which can be controlled by means of a cylinder lock. The actuation of the latter by means of a key sets in rotation a radially extending control member (13), which is received in a radial slit of a ring gear (10) mounted so that it can turn coaxially with respect to the rotor of the cylinder lock. The rotation of the control member (13) impressed by the key then brings about a rotation of the ring gear (10). A mechanical transmission (7), including at least one gear (9) meshing with the ring gear (10), converts the rotation of the ring gear (10) into a rectilinear sliding of the lock bolt (3). In any point of the mechanical transmission (7) a coupling is provided between a driven member and a driving member that affords said members the possibility of a limited relative movement. Consequently, the movement of said driving member is transmitted to said driven member only after said members have reached one of their two relative end positions.

IPC 8 full level
  E05B 17/04 (2006.01)

CPC (source: EP)
  E05B 15/004 (2013.01); **E05B 17/042** (2013.01)

Citation (search report)
  • [XA] DE 3148030 A1 19830609 - FLIETHER FA KARL [DE]
  • [X] EP 0545899 A2 19930609 - WINKHAUS FA AUGUST [DE]
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Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
  AL BA HR MK YU

DOCDB simple family (publication)
  EP 1826339 A1 20070829; BR PI0700407 A 20071106; CN 101025062 A 20070829; CN 101025062 B 20120627; IT TO20060115 A1 20070818; RU 2007105907 A 20080827; RU 2425203 C2 20110727

DOCDB simple family (application)
  EP 07100224 A 20070108; BR PI0700407 A 20070215; CN 200710084168 A 20070217; IT TO20060115 A 20060217; RU 2007105907 A 20070216