Title (en)
  LOCK

Title (de)
  SCHLOSS

Title (fr)
  SERRURE

Publication
  EP 1671001 A1 20060621 (DE)

Application
  EP 04763924 A 20040809

Priority
  • EP 2004008900 W 20040809
  • DE 20312319 U 20030809
  • DE 20313066 U 20030820

Abstract (en)
  [origin: WO2005014958A1] The invention relates to a lock (10) comprising a key-operated lock cylinder (12) having a cam (14), an element (16) carrying out a translatory motion, and a transmission device (18) for transmitting the motion of the cam (14) onto the element (16) in order to bring the element into the closed position or the open position by means of a device. The transmission device (18) comprises a first toothed wheel (20) that is arranged so as to be rotatable about the lock cylinder (12) and together with the cam (14). The aim of the invention is to improve a lock of the above-mentioned kind in such a manner that it allows for a reliable operation with simple technical means, that has small dimensions and that can be produced at low costs. For this purpose, the first toothed wheel (20) is recessed. Said recess receives the cam (14) and is dimensioned so as to allow for the lock cylinder (12) to be put through during assembly. The transmission device (18) comprises at least one additional toothed wheel (22) that intermeshes with the first toothed wheel (20) and is disposed on at least one first shaft (24) whose axis (W) extends at an angle to the lock cylinder axis. The device translates the rotational motion of the first shaft (24) into a translatory motion of the element (16).

IPC 1-7
  E05B 17/04; E05B 53/00

IPC 8 full level
  E05B 17/04 (2006.01); E05B 53/00 (2006.01); E05B 63/00 (2006.01)

CPC (source: EP)
  E05B 17/042 (2013.01); E05B 53/00 (2013.01); E05B 63/0017 (2013.01)

Citation (search report)
  See references of WO 2005014958A1

Cited by
  CN111963042A; DE202010011700U1; DE202010011701U1

Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
  WO 2005014958 A1 20050217; AT E471422 T1 20100715; DE 502004011286 D1 20100729; EP 1671001 A1 20060621; EP 1671001 B1 20100616; RU 2006106844 A 20060910; RU 2352744 C2 20090420; SI 1671001 T1 20101029

DOCDB simple family (application)
  EP 2004008900 W 20040809; AT 04763924 T 20040809; DE 502004011286 T 20040809; EP 04763924 A 20040809; RU 2006106844 A 20040809; SI 200431504 T 20040809