

Title (en)
Quick action door lock

Title (de)
Schnellöffnungstürschloss

Title (fr)
Serrure de porte à actionnement rapide

Publication
EP 1635013 A2 20060315 (EN)

Application
EP 05380155 A 20050713

Priority
ES 200402170 A 20040910

Abstract (en)
The lock comprises a lock housing mounted on the edge (P) of the door or window, with at least one latch (3) that is firmly attached to the frame (2) protruding from it, the interior of said frame providing a series of wards (4) superposed in an alternating sequence, so that the head part of one is on the top side and that of the next one is inverted, the wards being pushed by two levers (16-16'), an upper and a lower one, to arrange them so that their central window (7) coincides with the slot (14) through which the key (10) is introduced. To open the lock no turning of the key (10) is required and, instead, a doorknob (24) is operated, causing the rotation of a freewheel (20) connected to the frame (2) by way of a connecting rod (21), sliding said frame horizontally until the latch (3) distances itself from the edge of the door edge (P), thus opening the door. To close the door it is sufficient to turn the doorknob (24) in opposite direction, without introducing the key (10).

IPC 8 full level
E05B 29/00 (2006.01); **E05B 33/00** (2006.01)

CPC (source: EP ES)
E05B 21/00 (2013.01 - EP ES); **E05B 29/0006** (2013.01 - EP); **E05B 35/00** (2013.01 - EP); **E05B 15/108** (2013.01 - EP);
E05B 19/0047 (2013.01 - EP); **E05B 63/0017** (2013.01 - EP)

Cited by
WO2012048350A1; WO2011083430A1

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

DOCDB simple family (publication)
EP 1635013 A2 20060315; ES 2268934 A1 20070316

DOCDB simple family (application)
EP 05380155 A 20050713; ES 200402170 A 20040910