

Title (en)

An ambidextrous mortise door lock

Title (de)

Einstecktürschloss für rechts und links anschlagende Türen

Title (fr)

Serrure de porte ambidextre à mortaiser

Publication

EP 2484851 A1 20120808 (EN)

Application

EP 12154148 A 20120207

Priority

IT MI20110185 A 20110208

Abstract (en)

The ambidextrous mortise door lock comprises, internally of a case (2) of the lock, at least a translatable latch (10), at least a translatable bolt (8), and a first and a second rod (11, 12) translatable in opposite directions transversally to a translation direction of the bolt (8) and the latch (10) between an unblocked position of the door, in which the first and second rods (11, 12) are retracted towards an inside of the case (2), and a blocked position of the door, in which they are protracted towards outside the case (2), a first hole in the case destined to house a first activating cylinder of the latch (10) and the bolt (8) for a right-opening or respectively a left-opening door, a second hole in the case (2) destined to house a second activating cylinder of the latch (10) and the bolt (8) for a left-opening or respectively a right-opening door, a first handle follower (16) to the right or respectively to the left for commanding a first oscillating organ (17) and a first oscillating lever (18) for retracting the latch (10), a second handle follower (20) to the left or respectively to the right for commanding a second oscillating organ (21) and a second oscillating lever (22) for retracting the latch (10), and synchronising means of the oscillation of the first and second oscillating organ (17, 21) and transformation of said synchronised oscillation into a synchronised translation in an opposite direction of said first and second rod (11, 12) between the blocked position and the unblocked position.

IPC 8 full level

E05B 63/04 (2006.01); **E05B 59/00** (2006.01); **E05C 9/04** (2006.01)

CPC (source: EP)

E05B 59/00 (2013.01); **E05B 63/042** (2013.01); **E05C 9/042** (2013.01); **E05C 9/047** (2013.01); **E05B 15/102** (2013.01); **E05B 2015/0493** (2013.01)

Citation (search report)

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- [A] DE 2827939 A1 19800117 - SCOVILL SICHERHEITSEINRICHTUNG
- [A] FR 2776695 A1 19991001 - FERCO INT USINE FERRURES [FR]
- [A] EP 1160401 A1 20011205 - TORDO BELGRANO SA ETS [FR]
- [A] DE 2158406 A1 19730530 - DOERRENHAUS FA WILHELM

Cited by

IL264037B1; ES2582677A1; WO2016146863A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2484851 A1 20120808; **EP 2484851 B1 20141022**; CN 102677965 A 20120919; CN 102677965 B 20160525; ES 2527668 T3 20150128; IT 1403921 B1 20131108; IT MI20110185 A1 20120809

DOCDB simple family (application)

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