Title (en)
Mortise lock with operating mechanism for the closing laths of a window, door, or the like

Title (de)
Einsteckschloss mit Bedienungsmechanismus für die Verschlussleisten eines Fensters, einer Tür oder dergleichen

Title (fr)
Serrure encastrée avec mécanisme de fonctionnement pour les espagnolettes d'une fenêtre, porte ou similaire

Publication
EP 2312100 A1 20110420 (EN)

Application
EP 10012668 A 20101001

Priority
BE 200900621 A 20091013

Abstract (en)
A mortise lock (1) with operating mechanism for the closing laths of a window, a door and such, where the mechanism contains a housing (2) and an operating lath (20) that can be moved in an axial direction and a gearwheel transmission to drive the operating lath (20) and the closing laths, whereby the aforementioned gearwheel transmission contains a rotatable drive gearwheel (7), and contains a movable carriage (10), where the carriage (10) contains a rack (11) that engages with the drive gearwheel (7) to move the carriage (10) and a pinion (17) that can be rotated on an axle (13) that is firmly connected to the carriage (10), and this pinion (17) meshes with a rack (19) of the operating lath (20) and a rack (21) of the housing (2), and the drive gearwheel (7) and the pinion (17) are located in different planes.

IPC 8 full level
E05C 9/02 (2006.01)

CPC (source: EP)
E05C 9/021 (2013.01)

Citation (applicant)
DE 1254611 B 19671123 - HOECHST AG

Citation (search report)
- [IDA] DE 1244611 B 19670713 - JAEGER KG FRANK
- [IA] EP 1533453 A1 20050525 - WINKHAUS FA AUGUST [DE]
- [A] EP 1304437 A1 20030423 - HAUTAU GMBH W [DE]

Cited by
EP3162994A1; EP2735678A3; EP2770143A3; EP2770144A3

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 2312100 A1 20110420; **EP 2312100 B1 20161123**; BE 1018951 A3 20111108; ES 2612054 T3 20170511; PL 2312100 T3 20170831; PT 2312100 T 20170127

DOCDB simple family (application)
EP 10012668 A 20101001; BE 200900621 A 20091013; ES 10012668 T 20101001; PL 10012668 T 20101001; PT 10012668 T 20101001