

Title (en)

LOCK WITH SPRING BOLT

Title (de)

SCHLOSS MIT FEDERBOLZEN

Title (fr)

VERROU DOTÉ D'UN PÊNE À RESSORT

Publication

EP 2247809 A4 20141203 (EN)

Application

EP 09705598 A 20090130

Priority

- SE 2009050098 W 20090130
- SE 0800251 A 20080201

Abstract (en)

[origin: WO2009096892A1] Lock, for doors, windows and the like, comprising a forend (10), a spring bolt (120) with a bolt latch (130) and a blocking device. The spring bolt and the bolt latch are together axially displaceable relative to the forend. The spring bolt is fixed to the bolt latch, rotatably about a rotation axis (131) which is substantially perpendicular to the direction of axial displacement of the spring bolt and of the bolt latch. The blocking device is switchable between a release position, in which rotation of the spring bolt about the rotation axis is allowed, and a blocking position, in which the position of the spring bolt relative to the bolt latch is fixed. In order to achieve a reduction of the necessary operating force, the blocking device comprises a first (160) and a second (170) linearly displaceable element, as well as at least two pairs of sliding surfaces (125, 164, 163, 174) interacting in pairs, which sliding surfaces are disposed on the spring bolt, the first displaceable element and the second displaceable element, and are arranged to convert a rotational motion of the spring bolt to the respective linear displacement motions of the first and the second displaceable element.

IPC 8 full level

E05B 65/10 (2006.01)

CPC (source: EP SE)

E05B 15/102 (2013.01 - EP); **E05B 57/00** (2013.01 - EP); **E05B 59/00** (2013.01 - EP); **E05B 65/10** (2013.01 - SE); **E05B 65/1086** (2013.01 - SE); **E05B 65/10** (2013.01 - EP)

Citation (search report)

- [A] WO 2007000480 A1 20070104 - TALLERES ESCORIAZA SA [ES], et al
- [A] EP 1291479 A1 20030312 - JPM SAS [FR]
- See also references of WO 2009096892A1

Designated contracting state (EPC)

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