

Title (en)
SPRING BOLT ARRANGEMENT

Title (de)
FEDERSCHRAUBENANORDNUNG

Title (fr)
SYSTÈME DE BOULON DE RESSORT

Publication
EP 2975202 A1 20160120 (EN)

Application
EP 15176319 A 20150710

Priority
SE 1450893 A 20140715

Abstract (en)
Spring bolt arrangement (1, 1') comprising an axially displaceable spring bolt (10, 10') with a bolt latch (20) and a blocking device. The spring bolt is fixed to the bolt latch, rotatably about a rotational axis which is substantially perpendicular to the direction of axial displacement of the spring bolt and bolt latch. The blocking device is switchable between a blocking state, in which the position of the spring bolt relative to the bolt latch is fixed and a releasing state, in which rotation of the spring bolt is allowed. The blocking device comprises an actuator (30) which is arranged linearly displaceable between a first axial position and a second axial position, inside of and relative to the bolt latch (20). At least one blocking member (40a, 40b), is linearly displaceable relative to the actuator, the bolt latch and the spring bolt, in a direction which is essentially perpendicular to the displacement direction of the actuator. A first blocking recess (41a, 41b) arranged in the spring bolt (10), and a second blocking recess (42a, 42b) arranged in the bolt latch (20). The actuator (30) is arranged to, in the first axial position, maintain the blocking member (40a, 40b) in simultaneous engagement with the first blocking recess (41a, 41b) and the second blocking recess (42a, 42b), thereby maintaining the blocking device in the blocking state and to, in the second axial position, allow the blocking member to be brought out of engagement from at least one of the first and second blocking recesses, thereby setting the blocking device in the releasing state.

IPC 8 full level
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Citation (applicant)
EP 1291478 A1 20030312 - JPM SAS [FR]

Citation (search report)
• [AD] WO 2009096892 A1 20090806 - ASSA AB [SE], et al
• [AD] DE 10207630 A1 20030911 - SANCAK MEHMET [DE]
• [AD] EP 1291478 A1 20030312 - JPM SAS [FR]
• [A] ES 2400557 A1 20130410 - TALLERES ESCORIAZA SA [ES]
• [A] WO 2013112043 A1 20130801 - ASSA ABLOY NEDERLAND B V [NL]

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US2021293053A1; US11220839B2; US2022205275A1; EP3252252A1; US11946285B2; WO2024085798A1; WO2023091076A1

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