

Title (en)  
Door lock assembly

Title (de)  
Türsperranordnung

Title (fr)  
Ensemble de verrouillage de porte

Publication  
**EP 2927399 A1 20151007 (EN)**

Application  
**EP 14163130 A 20140402**

Priority  
EP 14163130 A 20140402

Abstract (en)  
A door lock assembly (1) for being arranged at a door (2) is disclosed. The assembly (1) includes a cylinder housing (31), a cylinder body (32), a rotating member (33), a driving pin (37) coupled to the rotating member (33) and configured to rotate with rotation of the rotating member (33) and operable to rotate and move a latch (14) between two positions including a door locked position and an door unlocked position, and a first locking device (32, 33) preventing rotation of the rotating member (33) in the absence of an appropriate key. Especially the cylinder body (31) is adapted for axial movement (A) in respect to the cylinder housing (31). The assembly (1) further includes a second locking device (40, 41) preventing axial movement (A) of the cylinder body (32) within the cylinder housing (31) in a first blocking state, and in a second released state allowing axial movement (A) of the cylinder body (32) such that it is axially movable from the interior of the cylinder housing (31) to enable rotation of the cylinder body (32) in relation to the cylinder housing (31) together with the rotating member (33) to cause the driving pin (37) to rotate between the door locked position and the door unlocked position. A method for locking or unlocking a door (2) is also disclosed.

IPC 8 full level  
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Citation (applicant)  
SE 523057 C2 20040323 - ASSA AB [SE]

Citation (search report)  
• [A] EP 1316659 A1 20030604 - ASSA AB [SE]  
• [A] US 2006101878 A1 20060518 - DICKHANS WILLIAM J [US], et al  
• [A] US 5606882 A 19970304 - LARSEN MARVIN L [US], et al  
• [A] US 1868580 A 19320726 - MCKINNEY EDWARD L  
• [A] FR 2967190 A1 20120511 - SOCOMEC SA [FR]  
• [A] EP 2317037 A2 20110504 - EMKA BESCHLAGTEILE [DE]  
• [A] WO 03064794 A1 20030807 - INVEST Y TRANSFERENCIA DE TECN [ES], et al

Cited by  
WO2020130920A1; EP3733999A1

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