

Title (en)  
ELECTRONICALLY OPERATED DOOR LOCK COMPRISING A CLUTCH

Title (de)  
ELEKTRONISCH BETÄTIGTES TÜRSCHLOSS MIT EINER KUPPLUNG

Title (fr)  
SERRURE DE PORTE À COMMANDE ÉLECTRONIQUE COMPRENANT UN EMBRAYAGE

Publication  
**EP 3995650 A1 20220511 (EN)**

Application  
**EP 20206821 A 20201110**

Priority  
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Abstract (en)  
This disclosure relates to an electronically operated door lock (2) comprising a cylinder assembly (11) in turn comprising a housing (15), a cylinder (16) rotatably mounted in the housing (15) and provided with a cam (19) to drive a bolt (8; 9), e.g. a bolt (8; 9) in a lock case (3), an electromechanical actuator (40) to rotate the cylinder (16) and cam (19), and a door knob (17) to manually rotate the cylinder (16) and cam (19). The lock comprises a clutch (50, 51) that by manual rotation of the door knob (17) disengages the electromechanical actuator (40) from the cylinder (16) and engages the door knob (17) and the cylinder (16) or, if the two are already engaged, maintains engagement between the door knob (17) and the cylinder (16).

IPC 8 full level  
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**E05B 47/0012** (2013.01); **E05B 47/0615** (2013.01); **E05B 47/068** (2013.01); **E05B 2009/046** (2013.01); **E05B 2047/002** (2013.01); **E05B 2047/0026** (2013.01); **E05B 2047/0067** (2013.01)

Citation (applicant)  
• GB 2524718 A 20151007 - LOXAL SECURITY LTD [GB]  
• WO 2020123573 A1 20200618 - SIMPLISAFE INC [US]  
• EP 3597843 A1 20200122 - LOQED HOLDING B V [NL]

Citation (search report)  
• [XYI] US 2018320413 A1 20181108 - WONG WAI P [US]  
• [YA] US 2006254328 A1 20061116 - PEARSON RUNE S [US]  
• [A] US 7543469 B1 20090609 - TSENG CHUNG-MING [TW], et al  
• [A] US 2013167671 A1 20130704 - HUANG LIEN-HSI [TW], et al

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