

Title (en)  
SHOCK-PROOF MECHANICAL MAGNETIC LOCK

Title (de)  
STOSSFESTES MECHANISCHES MAGNETSCHLOSS

Title (fr)  
VERROU MAGNÉTIQUE ET MÉCANIQUE ANTICHOC

Publication  
**EP 2829671 A4 20160309 (EN)**

Application  
**EP 13765180 A 20130322**

Priority  
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• CN 2013073043 W 20130322

Abstract (en)  
[origin: EP2829671A1] The present invention relates to a shock-proof mechanical magnetic lock, comprising an iron plate (211) located on one side, a pull plug (212) vertically protruding from the iron plate (211), a magnet (221) located on the other side, a sleeve (222) located in the magnet (221) and having a top opening for inserting the pull plug (212), and a stop ring (223) sleeved outside the sleeve (222), the stop ring (223) is fixed on the magnet (221), the bottom of the sleeve (222) is installed on a substrate (226) below the magnet (221) via a bottom connecting piece (227), the magnet (221) and the stop ring (223) can axially move relative to the sleeve (222), and the sleeve (222) and the stop ring (223) are provided with a spring (229) thereof. The improved structure has the following advantages: improving the service life, security and impact resistance of the lock; reducing the cost of processing and assembly; the opening structure at top of the sleeve reducing the probability of the internal balls stuck.

IPC 8 full level  
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CPC (source: EP)  
**E05C 19/166** (2013.01)

Citation (search report)  
• [A] WO 2008009057 A1 20080124 - FIRE & SECURITY HARDWARE PTY L [AU], et al  
• See references of WO 2013139297A1

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