

Title (en)  
Bistable magnetic locking device

Title (de)  
Bistabile Magnetverriegelung

Title (fr)  
Dispositif de verrouillage magnétique bistable

Publication  
**EP 0877133 A3 19990901 (DE)**

Application  
**EP 98250152 A 19980505**

Priority  
DE 29708796 U 19970507

Abstract (en)  
[origin: EP0877133A2] The device has a movable magnet armature (5). At the head this forms part of a mechanical lock. The armature (5) is surrounded by at least one electrically excitable magnetic coil (2,3) which causes the displacement of the armature (5) and moves it to an extended end position i.e. the locking position, and a retracted end position i.e. the release position. Spring biased stops (8) are brought radially into engagement with the armature (5). The stops (8) mechanically hold the armature (5) in the respective end position. Spaced apart recesses may be provided in the outer circumference of the armature (5), in which the stops (8) engage. The axial distance from the recesses and the outer cladding of the armature corresponds to the position of the armature in the end position.

IPC 1-7  
**E05B 47/06**; H01F 7/124; H01F 7/16

IPC 8 full level  
**E05B 47/00** (2006.01); **E05B 47/06** (2006.01); **H01F 7/124** (2006.01); **E05B 15/00** (2006.01)

CPC (source: EP)  
**E05B 47/00** (2013.01); **E05B 47/0623** (2013.01); **E05B 47/063** (2013.01); **H01F 7/124** (2013.01); **E05B 15/006** (2013.01); **E05B 47/0004** (2013.01); **E05B 2047/0007** (2013.01)

Citation (search report)

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