

Title (en)

Current switch arrangement for an electromechanical locking unit

Title (de)

Stromschalter für eine elektromechanische Verriegelungseinheit

Title (fr)

Commutateur de courant pour une unité de verrouillage électromécanique

Publication

**EP 0818596 A2 19980114 (EN)**

Application

**EP 97304901 A 19970704**

Priority

FI 962826 A 19960712

Abstract (en)

A current switch arrangement for an electromechanical locking unit, which locking unit includes a cylinder lock mechanism (1) operated mechanically by a key (2), blocking means (4) functionally dependent on an electronic code associated with the key (2), and an electronic control unit (5) which, on the basis of said electronic code, is arranged to control the blocking means (4) and which, under the control of the current switch arrangement, is connectable to an electric power source (17). The arrangement comprises permanent magnet means (11a, 11b) to be attached in association with the cylinder lock (1), a so called reed switch (10) or the like located in the immediate vicinity of the permanent magnet means (11a, 11b) within the magnetic field provided thereby and a piece (12) of ferromagnetic material located in the key shank (2a) and arranged to be positioned in the vicinity of the permanent magnet means (11a, 11b) when the key (2) is inserted into the cylinder lock (1) so that it causes a change in the magnetic field activating the reed switch (10) or the like to provide a control pulse which connects the electronic control unit (5) to the power source (17). <IMAGE>

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**E05B 49/00**

IPC 8 full level

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CPC (source: EP)

**E05B 47/0611** (2013.01); **G07C 9/00182** (2013.01); **G07C 2009/00603** (2013.01); **G07C 2009/00769** (2013.01)

Cited by

FR2859324A1; SE2030270A1; SE544980C2; CN111101763A; FR2893654A1; US6223571B1; US7880327B2; US7023318B1; US11952798B2; WO0058986A1; WO0028179A1; WO2007057575A1

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