

Title (en)  
Closing device which can be monitored

Title (de)  
Überwachbare Zuhalteeinrichtung

Title (fr)  
Dispositif de maintien pouvant être surveillé

Publication  
**EP 1867820 B1 20090603 (DE)**

Application  
**EP 07405117 A 20070412**

Priority  
CH 8802006 A 20060601

Abstract (en)  
[origin: EP1867820A1] An electromagnet (13) has yoke (19) moved away from core (17). The yoke closes magnetic circuit of the electromagnet. An electrical or electronic switching device such as Hall sensor (25) responds to magnetic field of the magnetic circuit. The switching device taps the core or yoke at two sites (31,33) which are spaced apart from one another along lengthwise direction of magnetic flux. A reed switch (23) is located in the core or yoke along lengthwise direction of magnetic circuit.

IPC 8 full level  
**E05C 19/16** (2006.01); **F16P 3/08** (2006.01)

CPC (source: EP US)  
**E05C 19/166** (2013.01 - EP US)

Cited by  
EP1916365A3; DE102017130837A1; DE102009059050A1; DE102009059050B4; EP2204521B1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1867820 A1 20071219; EP 1867820 B1 20090603**; AT E433035 T1 20090615; CN 101082254 A 20071205; CN 101082254 B 20120704; DE 502007000810 D1 20090716; ES 2326139 T3 20091001; JP 2007324124 A 20071213; JP 5265138 B2 20130814; US 2007279163 A1 20071206

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**EP 07405117 A 20070412**; AT 07405117 T 20070412; CN 200710106480 A 20070601; DE 502007000810 T 20070412; ES 07405117 T 20070412; JP 2007137585 A 20070524; US 80641707 A 20070531