

Title (en)  
MICROSYSTEM WITH INTEGRATED RELUCTANT MAGNETIC CIRCUIT

Title (de)  
MIKROSYSTEM MIT INTEGRIERTER RÜCKHALTEMAGNETSCHALTUNG

Title (fr)  
MICROSYSTEME INTEGRANT UN CIRCUIT MAGNETIQUE RELUCTANT

Publication  
**EP 1836713 B1 20100303 (FR)**

Application  
**EP 06707675 A 20060106**

Priority  

- EP 2006050075 W 20060106
- FR 0550085 A 20050110
- FR 0550666 A 20050315

Abstract (en)  
[origin: WO2006072628A1] The invention relates to a microsystem with an integrated reluctant magnetic circuit which subjects a mobile contact piece (20, 20') to an additional contacting force (F"), in the position with a closed electrical circuit, the intensity of which varies as a function of an alternating current (I) flowing across the electric circuit. According to the invention, the variations in said additional contacting force are used to permit the electric circuit to be opened when the current is below a threshold level. Said threshold level can correspond to the value for the appearance of an electric arc.

IPC 8 full level  
**H01H 1/00** (2006.01); **H01H 1/54** (2006.01); **H01H 7/16** (2006.01)

CPC (source: EP)  
**H01H 1/54** (2013.01); **H01H 7/16** (2013.01); **H01H 50/005** (2013.01); **H01H 2050/007** (2013.01)

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

DOCDB simple family (publication)  
**WO 2006072628 A1 20060713**; AT E459970 T1 20100315; DE 602006012619 D1 20100415; EP 1836713 A1 20070926; EP 1836713 B1 20100303

DOCDB simple family (application)  
**EP 2006050075 W 20060106**; AT 06707675 T 20060106; DE 602006012619 T 20060106; EP 06707675 A 20060106