

Title (en)  
Safety device for position switch

Title (de)  
Sicherheitsvorrichtung für Positionsschalter

Title (fr)  
Dispositif de sécurité pour commutateur de positionnement

Publication  
**EP 0814490 A3 19991201 (DE)**

Application  
**EP 97109371 A 19970610**

Priority  
DE 19624172 A 19960618

Abstract (en)  
[origin: EP0814490A2] The device has an actuation element (8) and a release element (4) which are mechanically encoded so that so that a mechanical decoding results from their mutual engagement, resulting in a mechanical force-locking between them. The release element also has an electronic read-write device (12) and the actuation element has a transponder (10). The actuation element is first programmed during its first engagement with the release element so that electronic decoding occurs for each subsequent engagement. An electrical switching process follows mechanical and electronic decoding.

IPC 1-7  
**H01H 27/00**

IPC 8 full level  
**H01H 27/00** (2006.01); **H01H 27/06** (2006.01)

CPC (source: EP)  
**H01H 27/002** (2013.01)

Citation (search report)

- [AD] DE 4238016 A1 19940519 - KLOECKNER MOELLER GMBH [DE]
- [AD] DE 9203153 U1 19920617
- [A] DE 29515529 U1 19960111 - ELAN SCHALTELEMENTE GMBH [DE]
- [A] EP 0525730 A1 19930203 - TOKAI RIKI CO LTD [JP]
- [A] EP 0655405 A1 19950531 - GIUSTO PLACIDO [IT]

Cited by  
DE10230564A1; DE102005010949A1; EP2562782A4; CN105474342A; EP0987726A3; US9190226B2; US9653242B2; WO0064054A1; WO2015028106A1; WO2013075812A1; US9477211B2

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AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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