

Title (en)  
Safety switching circuitry

Title (de)  
Sicherheitsschaltanordnung

Title (fr)  
Circuit de sécurité avec contacteurs

Publication  
**EP 1037234 B1 20041215 (DE)**

Application  
**EP 00102642 A 20000208**

Priority  
DE 19911698 A 19990316

Abstract (en)  
[origin: EP1037234A2] The safety cut-out switch has at least 2 series opening switches (12a,12b,12c) coupled to a microprocessor evaluation unit (11), for providing a safety signal, e.g. an alarm or cut-out signal, upon opening of at least one of these switches, which each have a code signal generator (13a,13b,13c), coupled to the evaluation unit via a common diagnosis line, for providing a code signal identifying the operated switch.

IPC 1-7  
**H01H 47/00**

IPC 8 full level  
**H01H 47/00** (2006.01)

CPC (source: EP US)  
**H01H 47/002** (2013.01 - EP US)

Cited by  
EP2682834A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1037234 A2 20000920; EP 1037234 A3 20030402; EP 1037234 B1 20041215**; AT E285117 T1 20050115; DE 19911698 A1 20000921; DE 50008927 D1 20050120; US 6417582 B1 20020709

DOCDB simple family (application)  
**EP 00102642 A 20000208**; AT 00102642 T 20000208; DE 19911698 A 19990316; DE 50008927 T 20000208; US 52263700 A 20000310