

Title (en)

SWITCHING DEVICE AND ARRANGEMENT FOR DETECTING VARIOUS POSITIONS OF A DOOR ELEMENT

Title (de)

SCHALTVORRICHTUNG UND ANORDNUNG ZUR ERFASSUNG UNTERSCHIEDLICHER POSITIONEN EINES TÜRELEMENTS

Title (fr)

CIRCUIT ET DISPOSITIF DE DETECTION DE DIVERSES POSITIONS D'UN ELEMENT DE PORTE

Publication

**EP 1690272 B1 20110209 (DE)**

Application

**EP 04819262 A 20041126**

Priority

- EP 2004053127 W 20041126
- DE 10355603 A 20031128

Abstract (en)

[origin: WO2005052970A1] The invention relates to a switching device comprising a mobile switching element (26) and an electrical switch (38) interacting therewith. The interaction between the switching element (26) and the electrical switch (38) can be blocked. The invention also relates to an arrangement for detecting at least two different positions of a mobile door element, wherein an interaction between the door element and the switching element can also be blocked. The inventive arrangement and switching device are especially suitable for using in household appliances such as electrical refrigerators or cooking appliances.

IPC 8 full level

**H01H 13/18** (2006.01); **H01H 15/10** (2006.01); **H01H 15/14** (2006.01)

CPC (source: EP US)

**H01H 13/18** (2013.01 - EP US); **H01H 13/183** (2013.01 - EP US); **H01H 15/105** (2013.01 - EP US); **H01H 15/14** (2013.01 - EP US)

Cited by

US10914472B2; EP3545238B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2005052970 A1 20050609**; AT E498191 T1 20110215; DE 10355603 A1 20050630; DE 502004012182 D1 20110324; EP 1690272 A1 20060816; EP 1690272 B1 20110209; US 2007103887 A1 20070510

DOCDB simple family (application)

**EP 2004053127 W 20041126**; AT 04819262 T 20041126; DE 10355603 A 20031128; DE 502004012182 T 20041126; EP 04819262 A 20041126; US 58071904 A 20041126