

Title (en)  
TEMPERATURE-DEPENDENT SWITCH

Title (de)  
TEMPERATURABHÄNGIGER SCHALTER

Title (fr)  
COMMUTATEUR DÉPENDANT DE LA TEMPÉRATURE

Publication  
**EP 3736845 B1 20210804 (DE)**

Application  
**EP 20170813 A 20200422**

Priority  
DE 102019112074 A 20190509

Abstract (en)  
[origin: CN111916307A] A temperature-dependent switch which comprises a first and a second stationary counter contact and a temperature-dependent switching mechanism having a current transfer member. The switching mechanism, depending on its temperature, either closes the switch by pressing the current transfer member against the first and the second counter contact and thereby establishing an electrically conductive connection between the two counter contacts via the current transfer member, or opens the switch by keeping the current transfer member at a distance from the first and the second counter contact and thereby interrupting the electrically conductive connection. A closing lock is provided, which keeps the switch open when it has been opened for the first time. The closing lock comprises a spring washer which directly interacts with the current transfer member and mechanically locks the latter permanently when the switch has been opened for the first time so that the switch remains permanently open.

IPC 8 full level  
**H01H 37/54** (2006.01); **H01H 37/00** (2006.01); **H01H 37/52** (2006.01); **H01H 37/60** (2006.01); **H01H 37/70** (2006.01)

CPC (source: CN EP US)  
**H01H 9/20** (2013.01 - CN); **H01H 37/02** (2013.01 - CN); **H01H 37/04** (2013.01 - US); **H01H 37/52** (2013.01 - CN US); **H01H 37/5409** (2013.01 - EP); **H01H 37/5427** (2013.01 - EP); **H01H 37/60** (2013.01 - US); **H01H 37/64** (2013.01 - US); **H01H 37/002** (2013.01 - EP); **H01H 37/52** (2013.01 - EP); **H01H 37/54** (2013.01 - EP); **H01H 37/60** (2013.01 - EP); **H01H 2037/549** (2013.01 - EP); **H01H 2037/705** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3736845 A1 20201111**; **EP 3736845 B1 20210804**; CN 111916307 A 20201110; CN 111916307 B 20230328; DE 102019112074 A1 20201112; DE 102019112074 B4 20201217; DK 3736845 T3 20211108; ES 2895702 T3 20220222; US 11217409 B2 20220104; US 2020357589 A1 20201112

DOCDB simple family (application)  
**EP 20170813 A 20200422**; CN 202010385046 A 20200508; DE 102019112074 A 20190509; DK 20170813 T 20200422; ES 20170813 T 20200422; US 202016866077 A 20200504