

Title (en)
TEMPERATURE-DEPENDENT SWITCH

Title (de)
TEMPERATURABHÄNGIGER SCHALTER

Title (fr)
COMMUTATEUR DÉPENDANT DE LA TEMPÉRATURE

Publication
EP 3796357 A1 20210324 (DE)

Application
EP 20196350 A 20200916

Priority
DE 102019125451 A 20190920

Abstract (en)
[origin: US2021090834A1] A temperature-dependent switch having a housing with an upper part and a lower part, wherein a first and a second stationary contact are arranged on the housing, and a temperature-dependent switching mechanism having a movable contact member. In its first switching position, the switching mechanism presses the movable contact member against the first contact and thereby produces an electrically conductive connection between the two contacts via the contact member, and, in its second switching position, keeps the movable contact member spaced apart from the first contact. A closing lock prevents the switch, once having opened, from closing again by locking the switching mechanism permanently in its second switching position in a mechanical manner. The closing lock comprises a substantially disc-shaped locking element and a first latching member, which, in order to lock the switching mechanism, interacts in the second switching position with a second latching member that is arranged on the movable contact member.

IPC 8 full level
H01H 37/54 (2006.01); **H01H 37/74** (2006.01)

CPC (source: EP US)
H01H 37/04 (2013.01 - US); **H01H 37/5409** (2013.01 - EP US); **H01H 37/64** (2013.01 - US); **H01H 37/74** (2013.01 - EP);
H01H 3/58 (2013.01 - EP); **H01H 37/5427** (2013.01 - EP); **H01H 2011/0043** (2013.01 - EP); **H01H 2037/549** (2013.01 - US)

Citation (applicant)
• DE 102018100890 B3 20190718 - HOFSAESS MARCEL P [DE]
• DE 102013101392 A1 20140814 - THERMIK GERÄTEBAU GMBH [DE]
• DE 102007042188 B3 20090409 - HOFSAESS MARCEL P [DE]
• DE 2544201 A1 19770407 - INTER CONTROL KOEHLER HERMANN
• DE 8625999 U1 19861113

Citation (search report)
• [A] DE 2432901 A1 19760129 - THERMIK GERAETEBAU GMBH
• [A] DE 4321960 A1 19940120 - ELECTROVAC [AT]
• [A] GB 2240218 A 19910724 - OTTER CONTROLS LTD [GB]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3796357 A1 20210324; **EP 3796357 B1 20220330**; DE 102019125451 A1 20210325; DE 102019125451 B4 20210408;
DK 3796357 T3 20220523; ES 2913936 T3 20220606; US 11469066 B2 20221011; US 2021090834 A1 20210325

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