Title (en)
THERMOSTATIC SWITCH

Publication
EP 0051474 B1 19851218 (EN)

Application
EP 81305182 A 19811030

Priority
- US 20307180 A 19801103
- US 20379080 A 19801103

Abstract (en)
[origin: EP0051474A2] A heat responsive electrical switch comprises a small, open ended, generally cylindrical housing in which are mounted two spaced plate members extending in parallel directions from a bottom wall into a switch cavity. The first plate member mounts at its distal free end a relatively inflexible movable contact arm which is adapted to move into and out of engagement with a stationary contact mounted on the second plate member. A relatively low spring rate spring is connected between the movable contact arm toward the stationary contact with a selected contact force created by displacing a portion of the spring with a reaction force. The open end of the housing is formed with a plurality of raised plateaus. A thermally conductive cup is received over the open end interfitting with the plateaus. A thermally responsive snap-acting disc and a flexible motion transfer sheet of resinous material can be captured by the cup at the open end of the housing. The plate members are formed so that they are either rigidly staked to the bottom wall of the housing or are riveted directly to terminal blades outside the housing.

IPC 1-7
H01H 37/54

IPC 8 full level
H01H 37/04 (2006.01); H01H 37/54 (2006.01); H01H 37/64 (2006.01); H01H 1/24 (2006.01)

CPC (source: EP)
H01H 37/54 (2013.01); H01H 37/64 (2013.01); H01H 1/24 (2013.01); H01H 2037/5454 (2013.01)

Cited by
EP0409611A3; EP0149962A3

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0051474 A2 19820512; EP 0051474 A3 19830223; EP 0051474 B1 19851218; AR 227945 A1 19821230; DE 3173274 D1 19860130; JP H02265138 A 19901029; JP H02276123 A 19901113; JP H047054 B2 19920207

DOCDB simple family (application)
EP 81305182 A 19811030; AR 28732381 A 19811103; DE 3173274 T 19811030; JP 1595290 A 19900125; JP 1595390 A 19900125