

Title (en)  
Improvements relating to thermally responsive electric switches.

Title (de)  
Temperatur empfindliche elektrische Schalter.

Title (fr)  
Commutateurs électriques thermosensitive.

Publication  
**EP 0318265 A2 19890531 (EN)**

Application  
**EP 88311081 A 19881123**

Priority  
• GB 8727412 A 19871123  
• GB 8801438 A 19880122  
• GB 8810506 A 19880504

Abstract (en)  
A steam sensor for a water boiling vessel consists of a moulded plastics body portion defining spaced-apart pivotal support positions for an overcentre bridge consisting of a bimetal and a trip-lever pivotally journalled together at the centre of the bridge and each pivotally journalled at its other end in one of the support positions of the moulding. The trip-lever is arranged to perform snap-action movement in response to heating of the bimetal irrespective of the fact that a plain (non-prestressed and non-snap-acting) bimetal is used and can be coupled either directly to a switch sub-assembly in the steam sensor or indirectly via a Bowden cable or the like to a separate switch incorporated in a remote element protector unit. The switch sub-assembly in the steam sensor may be designed to be plugged directly into a socket formed in an element protector unit in which case the switch of the steam sensor is connected electrically in series with a switch in the element protector, and the same electrical arrangement can be obtained with the steam sensor and the element protector spaced apart from each other and interconnected by means of a lead having appropriate plug and socket terminations.

IPC 1-7  
**A47J 27/21; H01H 37/54**

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

CPC (source: EP)  
**H01H 37/54** (2013.01); **H01H 2003/466** (2013.01); **H01H 2061/0122** (2013.01)

Cited by  
GB2273007A; GB2273007B; WO9301640A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0318265 A2 19890531; EP 0318265 A3 19891018; EP 0318265 B1 19940209**; AU 1059892 A 19920416; AU 2581288 A 19890525; AU 617379 B2 19911128; AU 634927 B2 19930304; DE 3887734 D1 19940324; DE 3887734 T2 19940519; GB 2212664 A 19890726; GB 2212664 B 19920708; GB 8827340 D0 19881229; HK 171095 A 19951117; HK 171195 A 19951117; HK 176995 A 19951201; NZ 227060 A 19910326

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