

Abstract:

Spark suppressor circuit for protection of an electrical switch, and electrical thermal appliance comprising such a circuit

A spark suppressor circuit (1) for protection of an electrical switch (4) which in series with a load (2) is connected between a first supply voltage terminal (8) and a second supply voltage terminal (10), the load (2) and the electrical switch (4) being interconnected at a switch terminal (6). The spark suppressor circuit (1) comprises: a first (12), a second (14) and a third (16) connection terminal connectable to the first supply voltage terminal (8), the second supply voltage terminal (10) and the switch terminal (6), respectively, a triac (18) having a first main electrode (20) connected to the third connection terminal (16), having a second main electrode (22) connected to the second connection terminal (14), and having a gate electrode (24) connected to the first connection terminal (12) via a resistor (32). In addition, the circuit may comprise a diac (26) connected between the gate electrode (24) and a node (28), and a capacitor (30) connected between the node (28) and the third connection terminal (16), the resistor (32) being coupled between the first connection terminal (12) and the node (28) to supply a current in response to a voltage difference between the first connection terminal (12) and the third connection terminal (16).

(Figure 2)

This Sheet Has Been Replaced

