

Title (en)

ARCING CHAMBER FOR SAFETY SWITCH

Title (de)

LICHTBOGENKAMMER FÜR EINEN SCHUTZSCHALTER

Title (fr)

CHAMBRE DE DECHARGE ELECTROSTATIQUE POUR INTERRUPTEUR DE SECURITE

Publication

**EP 1805773 A1 20070711 (EN)**

Application

**EP 05851053 A 20051026**

Priority

- NL 2005050025 W 20051026
- NL 1027342 A 20041026

Abstract (en)

[origin: WO2006065129A1] Arcing chamber for use in a safety switch (50), having a cavity (15) in a housing (31) where an arc can be produced when contacts (7, 35) of the safety switch are broken, a blow-out opening (44) that is in communication with the cavity (15) for discharging the increase in gas and/or pressure caused by the arc, and an extinguishing element (33) for splitting the arc into sub-arcs, wherein the extinguishing element (33) is positioned between the contacts (7, 35) and the blow-out opening (44) in the cavity (15). The arcing chamber is made up of an extinguishing element (33) installed in the cavity (15) and constructed as an independent unit, side walls of the housing (31) and a closure plate (34) which can be fixed to the extinguishing element (33). The closure plate (34) is provided with a predefined pattern of openings (67), and the extinguishing element (33) and the closure plate (34) are integrated in the housing (31) such that they can be removed.

IPC 8 full level

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CPC (source: EP)

**H01H 9/342** (2013.01); **H01H 71/002** (2013.01); **H01H 2009/343** (2013.01)

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