

Title (en)  
IMPROVED E-EXTINGUISHING LANCE

Title (de)  
VERBESSERTE E-LÖSCHLANZE

Title (fr)  
LANCE D'EXTINCTION ÉLECTRONIQUE AMÉLIORÉE

Publication  
**EP 4146357 A1 20230315 (DE)**

Application  
**EP 21724650 A 20210507**

Priority  
• DE 202020102574 U 20200507  
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Abstract (en)  
[origin: CA3182374A1] The invention relates to an extinguishing lance (10) for electrical devices that are burning, the extinguishing lance comprising: - a holding portion having a handle part (11) for operation; - an extinguishing-agent feed having a coupling device (12) for connecting a pressure hose for extinguishing agent; and - a tubular extinguishing portion (13), from the free end of which extinguishing agent is introduced, under pressure, into the object that is burning. The handle part of the holding portion has a covering (11a) which is insulating for voltages U of = 500 V. The extinguishing portion consists of material of high tensile strength R<sub>m</sub>, said material withstanding a mechanical stress s of = 500 N/mm<sup>2</sup> and having a melting temperature t<sub>s</sub> of = 650 °C. At the free end of the extinguishing portion, the extinguishing portion tapers to a point and has a constricted hollow flow cross-section for extinguishing agent conducted under pressure. The extinguishing portion and its tapered, additionally hardened end are produced from stainless steel. The extinguishing lance is characterized in that the extinguishing portion has, at least in the region of the holding portion, a voltage-insulating covering (13a), which is electrically insulating for voltages U of = 500 V. Thus, the minimum legal requirements for protection against thermal hazards, against mechanical overloads and against electrical hazards are reliably met.

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