

Title (en)
E-EXTINGUISHING LANCE FOR FIREFIGHTING IN ELECTRICALLY CHARGED OBJECTS

Title (de)
E-LÖSCHLANZE ZUR BRANDBEKÄMPFUNG BEI ELEKTRISCH GELADENEN OBJEKTEN

Title (fr)
LANCE À INCENDIE D'ORIGINE ÉLECTRIQUE POUR LUTTER CONTRE LES FEUX D'OBJETS CHARGÉS ÉLECTRIQUEMENT

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Abstract (en)
[origin: WO2019020507A1] The invention relates to an E-extinguishing lance (10) for extinguishing burning objects, which has a holding section having a grip part (11) for an operator, an extinguishing agent feed having a coupling device (12) for the connection of a pressure hose for liquid extinguishing agent, and a tubular extinguishing section (13) adjoining the holding section and possibly the coupling device, from the free end of which extinguishing agent under pressure can be applied into a burning object, the grip part being electrically insulating for voltages $U > 100V$ and the extinguishing section tapering to a point having a narrowed flow cross section for extinguishing agent to be led through, is characterized in that the grip part is also electrically insulating for voltages $U \geq 500V$, in that the extinguishing section is made from a material which has a tensile strength R_m that is so high that the material withstands a mechanical stress $\sigma \geq 500 N/mm^2$, and which has a melting temperature $t_s \geq 650^\circ C$, and in that a holding section on the operator-side end has a large area impact plate (14) in extension of the extinguishing section. With this E-extinguishing lance, both minimum requirements relating to protection against thermal hazards and also to protection against mechanical overloads and also to protection against electrical hazards are safely met.

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