

Title (en)
FIRE-EXTINGUISHING AEROSOL GENERATOR

Title (de)
FEUERLÖSCHAEROSOLERZEUGER

Title (fr)
GÉNÉRATEUR D'AÉROSOL D'EXTINCTION

Publication
EP 3656447 A1 20200527 (EN)

Application
EP 19166108 A 20190329

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Abstract (en)
The invention belongs to the field of fire extinguishing, particularly to devices generating gas-aerosol flame retardants, produced as a result of pyrotechnical compound combustion and directed in a controlled manner into a protected volume and designed for use in both manual and stationary embodiments both in autonomous and automated fire-extinguishing systems. The technical result of the invention is to increase the device reliability, expanding the options for device activation and reducing the temperature of housing parts during the combustion of pyrotechnical aerosol-forming compound. Said technical result is achieved by the fact that each charge of pyrotechnical aerosol-forming compound (2) is located in a sheathing made of moisture-proof polymeric material (3), the initiation unit (4) is an ignition dose of highly flammable compound designed as a match head/set of match heads which can be ignited both by electric current pulse and manually by short rubbing of at least one match head (9) on any surface, and the device parts in contact with the pyrotechnical aerosol-forming charge (2) are covered with swelling fire-retardant paint, preventing the overheating of housing parts.

IPC 8 full level
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CPC (source: EP)
A62C 5/006 (2013.01); **A62C 13/22** (2013.01); **A62C 35/023** (2013.01)

Citation (applicant)
• RU 2164808 C2 20010410 - GRANIT SALAMAND AOOT, et al
• RU 2206353 C1 20030620 - SHUMJATSKIY OLEG VLADIMIROVICH, et al

Citation (search report)
• [Y] EP 1484088 A1 20041208 - EURO SPARE PARTS S R L [IT]
• [Y] CN 202398001 U 20120829 - SHAANXI J & R FIRE FIGHTING CO

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RU2767755C1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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