

Title (en)

Frangible cartridge for fire extinguishing additives in water extinguishers put under pressure by a compressed gas at the moment of use.

Title (de)

Zerbrechliche Patrone für Feuerlöschzusatzstoffe in Wasserfeuerlöschern, die auf Gebrauchsmomente durch ein Gas unter Druck gesetzt werden.

Title (fr)

Cartouche frangible pour additifs d'extinction dans des extincteurs à eau mise sous pression au moment de l'emploi par un gaz comprimé.

Publication

EP 0461020 A1 19911211 (FR)

Application

EP 91401447 A 19910604

Priority

FR 9006942 A 19900605

Abstract (en)

The cartridge (5) is disposed floating freely in water (1a) which fills a water extinguisher (1, 2), put under pressure for use by perforating the diaphragm of a capsule (13) of liquid carbon dioxide, to be forced through the plunger tube (6) and the nozzle (6a). The cartridge (5) comprises a tubular body (10) made from polyethylene with an opening at the lower end (12) which is closed off by a cap (13) formed from an aluminium foil with a layer of polyethylene on the inner side, thermally welded to the edge of the body. An additive (14) of the floating-film-forming agent type is contained at the lower portion of the body (10) with a free space (15) above it which ensures a positive buoyancy and vertical immersion stability. During the rise in pressure, towards 0.4 MPa, the cap (13) tears and the inrush of water into the body disperses the additive. <IMAGE>

IPC 1-7

A62C 13/00

IPC 8 full level

A62C 13/00 (2006.01)

CPC (source: EP)

A62C 13/00 (2013.01)

Citation (search report)

- [A] DE 2822380 A1 19791129 - BENDER DIETER ING GRAD
- [A] US 3339802 A 19670905 - NORMAN WEINER, et al
- [A] US 3255924 A 19660614 - PAUL MODDERNO JOHN
- [A] CH 501535 A 19710115 - OREAL [FR]

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DE202012001389U1; EP1754519A1; EP0686410A3; WO02056968A1; EP2425876A1; EP2666519A2

Designated contracting state (EPC)

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