

Title (en)

DEVICE FOR PRODUCING A GAS-LIQUID MIXTURE FOR FIREFIGHTING PURPOSES

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINES GAS-FLÜSSIGKEIT-GEMISCHS FÜR BRANDBEKÄMPFUNG SZWECKE

Title (fr)

DISPOSITIF DE PRODUCTION D'UN MÉLANGE DE GAZ-LIQUIDE DESTINÉ À DES FINS DE LUTTE CONTRE L'INCENDIE

Publication

EP 3878524 A1 20210915 (EN)

Application

EP 20162046 A 20200310

Priority

EP 20162046 A 20200310

Abstract (en)

A device configured to produce a gas-liquid mixture for firefighting purposes is disclosed. The device comprises a mixing container configured to receive a liquid medium and a pressurized gaseous medium, wherein the mixing container has an outlet for the gas-liquid mixture and a mixing pipe arranged within the mixing container and configured to guide the gas-liquid mixture towards the container outlet. The mixing pipe comprises a wall having a mixing passage configured to introduce the gaseous medium from an outside of the mixing pipe into the liquid medium, when same is guided within the mixing pipe towards the container outlet. The mixing passage has a first cross-sectional area and a portion of the mixing pipe downstream of the mixing passage or of a discharge line downstream of the mixing pipe has a second cross-sectional area. The ratio between the first cross-sectional area and the second cross-sectional area is between 1:4 and 1:25.

IPC 8 full level

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CPC (source: EP)

A62C 5/02 (2013.01); **A62C 13/66** (2013.01); **A62C 35/023** (2013.01)

Citation (applicant)

US 6543547 B2 20030408 - NEUMEIR ANTON [DE], et al

Citation (search report)

- [X1] US 5992530 A 19991130 - SUNDHOLM GOERAN [FI]
- [X1] WO 9809683 A1 19980312 - SUNDHOLM GOERAN [FI]
- [I] DE 202014010053 U1 20150401 - JP SICHERHEITSTECHNIK GMBH [CH]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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