

Title (en)

LANCE, IN PARTICULAR EXTINGUISHING LANCE FOR FIGHTING FIRES

Title (de)

LANZE, INSBESONDERE LÖSCHLANZE FÜR DIE BRANDBEKÄMPFUNG

Title (fr)

LANCE, NOTAMMENT LANCE D'EXTINCTION DESTINÉE À LA LUTTE CONTRE L'INCENDIE

Publication

EP 4065242 B1 20231115 (DE)

Application

EP 20829179 A 20201124

Priority

- AT 510222019 A 20191125
- AT 2020060417 W 20201124

Abstract (en)

[origin: WO2021102495A1] The invention relates to a lance (1), in particular for jointly dispensing a pressurized fluid and an additive (2), said lance being provided for penetrating walls. The lance (1) comprises a lance body, a handle assembly, a plurality of channels (7, 15, 26) and actuating-element assemblies (29) cooperating with said channels, a nozzle assembly (18) and at least one tank for the additive (2). Under the selective control of the actuating-element assemblies (29), the fluid is conducted in the first channel (7), the additive (2) is conducted in the second channel (15) and the ambient air is conducted in the third channel (26), to a first nozzle body (19). The third channel (26) forms a conducting connection between the ambient air and a mixing chamber (24) of the first nozzle body (19). The second actuating-element assembly (29) together with the second actuating element (30) acts directly on the third channel (26) and indirectly controls the admixing of the additive (2) into the mixing channel (24) via the second channel (15).

IPC 8 full level

A62C 31/22 (2006.01); **B24C 5/02** (2006.01); **B24C 5/04** (2006.01)

CPC (source: AT EP US)

A62C 31/07 (2013.01 - AT US); **A62C 31/22** (2013.01 - AT EP US); **B05B 7/0408** (2013.01 - AT US); **B05B 7/1218** (2013.01 - AT US); **B05B 7/2443** (2013.01 - AT); **B05B 7/2445** (2013.01 - AT US); **B24C 1/04** (2013.01 - EP); **B24C 3/06** (2013.01 - EP); **B24C 5/02** (2013.01 - EP)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2021102495 A1 20210603; AT 522886 A4 20210315; AT 522886 B1 20210315; CN 114761092 A 20220715; CN 114761092 B 20230509; EP 4065242 A1 20221005; EP 4065242 B1 20231115; EP 4065242 C0 20231115; US 2023001245 A1 20230105

DOCDB simple family (application)

AT 2020060417 W 20201124; AT 510222019 A 20191125; CN 202080081884 A 20201124; EP 20829179 A 20201124; US 202017779079 A 20201124