

Title (en)

METHOD FOR EXTINGUISHING A FLAME FRONT AND EXTINGUISHING DEVICE

Title (de)

VERFAHREN ZUM LÖSCHEN EINER FLAMMENFRONT UND LÖSCHVORRICHTUNG

Title (fr)

PROCÉDÉ D'EXTINCTION D'UN FRONT DE FLAMME ET DISPOSITIF D'EXTINCTION

Publication

**EP 3578232 B1 20220928 (DE)**

Application

**EP 19173939 A 20190510**

Priority

DE 102018113770 A 20180608

Abstract (en)

[origin: US2019374801A1] A flame front in a gas pipeline is extinguished by introducing an extinguishing agent at an overpressure at an extinguishing zone of the pipeline. Using an overpressure provides a better and finer atomization of the extinguishing agent, and permits a greater amount of the extinguishing agent to be provided in the extinguishing zone per unit time. In addition, a sealing fluid is introduced at sealing zone of the pipeline. Gas flowing through the pipeline must flow through the sealing fluid in the sealing zone. Preferably, movement of a flame front from one side of the sealing zone to the other side of the sealing zone is prevented or reduced by the sealing fluid.

IPC 8 full level

**A62C 3/06** (2006.01); **A62C 4/02** (2006.01)

CPC (source: CN EP US)

**A62C 2/04** (2013.01 - US); **A62C 3/065** (2013.01 - EP); **A62C 4/02** (2013.01 - CN EP); **A62C 35/023** (2013.01 - US); **A62C 35/11** (2013.01 - US); **A62C 35/68** (2013.01 - US); **A62C 37/04** (2013.01 - CN US); **A62C 3/00** (2013.01 - US)

Citation (examination)

- DE 4126932 A1 19930211 - BAYER AG [DE]
- WO 2017070737 A1 20170504 - COMMW SCIENT IND RES ORG [AU]
- US 2015238787 A1 20150827 - VAN GELDER PAUL ALFONS LEON [BE], et al
- CN 105381559 A 20160309 - TIANJIN JUNRUI SCINECE AND TECH CO LTD

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)

**EP 3578232 A1 20191211**; **EP 3578232 B1 20220928**; CN 110575633 A 20191217; CN 110575633 B 20220614; DE 102018113770 A1 20191212; US 11602653 B2 20230314; US 2019374801 A1 20191212

DOCDB simple family (application)

**EP 19173939 A 20190510**; CN 201910476545 A 20190603; DE 102018113770 A 20180608; US 201916432030 A 20190605