

Title (en)

Apparatus and method for suppressing and extinguishing a fire

Title (de)

Vorrichtung und Verfahren zum Unterdrücken und Löschen von Feuer

Title (fr)

Appareil et procédé de suppression et d'extinction d'un incendie

Publication

**EP 2878343 B1 20200603 (EN)**

Application

**EP 14178092 A 20140722**

Priority

US 201361910525 P 20131202

Abstract (en)

[origin: EP2878343A1] In order to effectively deliver inert gas to the source of a fire underground, an apparatus (10) for suppressing and extinguishing the fire includes - a source (12) of cryogen; - a flexible hose (32) having -- a first end connected to the source (12) of cryogen, and -- a second end for being guided to the combustible material; and - at least one discharge member (38) having -- a proximate end in fluid communication with the second end of the flexible hose (32), and -- a distal end constructed to penetrate the combustible material for introducing the cryogen to said combustible material. A method of suppressing and extinguishing a fire underground is also provided.

IPC 8 full level

**A62C 3/02** (2006.01); **A62C 3/04** (2006.01); **A62C 31/22** (2006.01); **A62C 31/28** (2006.01); **A62C 99/00** (2010.01)

CPC (source: EP)

**A62C 3/02** (2013.01); **A62C 3/04** (2013.01); **A62C 99/0009** (2013.01); **A62C 99/0018** (2013.01)

Citation (examination)

US 6840331 B2 20050111 - SANT ANGELO JOSEPH G [US]

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 2878343 A1 20150603; EP 2878343 B1 20200603**

DOCDB simple family (application)

**EP 14178092 A 20140722**