

Title (en)

APPARATUS FOR IDENTIFYING AND EXTINGUISHING FIRES

Title (de)

VORRICHTUNG ZUR ERKENNUNG UND LÖSCHUNG VON BRÄNDEN

Title (fr)

APPAREIL D'IDENTIFICATION ET D'EXTINCTION D'INCENDIES

Publication

EP 4319891 A4 20240605 (EN)

Application

EP 21946912 A 20210621

Priority

IB 2021055433 W 20210621

Abstract (en)

[origin: WO2022269310A1] The invention relates to an apparatus for identifying and extinguishing fires. The apparatus includes a locomotion unit for moving the apparatus and a fire extinguishing unit which, when activated, ejects fire extinguishing material. The apparatus includes an actuator for activating the fire extinguishing element and a control unit for controlling the locomotion unit and actuator. The control unit includes a number of sensors, location determination means, and communication means for identifying and extinguishing fires. This allows the apparatus to operate in an autonomous fashion to move towards and extinguish fires. It is envisaged that the apparatus will increase safety of its users and will allow autonomous extinguishment of fires in a reliable and cost-effective manner.

IPC 8 full level

A62C 37/38 (2006.01); **A62C 3/02** (2006.01); **A62C 13/00** (2006.01); **A62C 13/78** (2006.01); **A62C 27/00** (2006.01); **A62C 31/00** (2006.01); **A62C 31/24** (2006.01); **A62C 37/46** (2006.01)

CPC (source: EP)

A62C 27/00 (2013.01); **A62C 31/24** (2013.01); **A62C 37/38** (2013.01); **A62C 13/003** (2013.01); **A62C 13/78** (2013.01)

Citation (search report)

- [X] US 2020391061 A1 20201217 - ENEJEHL MARIKA AF [DE], et al
- [X] CN 210009539 U 20200204 - UNIV SHANGHAI
- [X] CN 110917529 A 20200327 - STATE GRID INTELLIGENT TECH CO LTD
- [A] JP 2019024813 A 20190221 - NOHMI BOSAI LTD
- See also references of WO 2022269310A1

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022269310 A1 20221229; EP 4319891 A1 20240214; EP 4319891 A4 20240605

DOCDB simple family (application)

IB 2021055433 W 20210621; EP 21946912 A 20210621