

Title (en)

SMOKE AND TOXIC GAS SUCTION REMOVAL-TYPE FIREFIGHTING NOZZLE DEVICE

Title (de)

BRANDBEKÄMPFUNGSDÜSENVORRICHTUNG MIT RAUCH- UND GIFTIGGASABSAUGENTFERNUNG

Title (fr)

DISPOSITIF DE BUSE DE LUTTE CONTRE L'INCENDIE DU TYPE À ÉVACUATION PAR ASPIRATION DE FUMÉE ET DE GAZ TOXIQUE

Publication

EP 4209251 A1 20230712 (EN)

Application

EP 21864748 A 20210906

Priority

- KR 20200113265 A 20200904
- KR 2021012033 W 20210906

Abstract (en)

The present invention relates to a smoke and toxic gas suction removal-type firefighting nozzle device. The smoke and toxic gas suction removal-type firefighting nozzle device includes a spray head configured to receive water supplied from a fire hose and spray the water forward through an inner passage, the spray head having a plurality of intake holes that opens the inner passage to the outside, and a gas introduction guider embedded in the spray head and configured to guide an inlet gas flowing into the spray head through the intake hole by the Venturi phenomenon implemented by the sprayed water such that the inlet gas is mixed with water.

IPC 8 full level

A62C 31/02 (2006.01); **A62C 31/28** (2006.01); **B05B 7/00** (2006.01)

CPC (source: EP KR)

A62C 31/02 (2013.01 - EP KR); **A62C 31/28** (2013.01 - KR); **B05B 1/14** (2013.01 - EP); **B05B 1/265** (2013.01 - EP); **B05B 7/0087** (2013.01 - KR); **B05B 7/0408** (2013.01 - EP); **B05B 7/0425** (2013.01 - EP); **A62C 5/022** (2013.01 - EP); **A62C 31/12** (2013.01 - EP); **B05B 12/002** (2013.01 - EP); **B05B 15/63** (2018.01 - 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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4209251 A1 20230712; **EP 4209251 A4 20240320**; KR 20220031534 A 20220311

DOCDB simple family (application)

EP 21864748 A 20210906; KR 20210118264 A 20210906