

Title (en)

IN-BUILDING ACCESS PATH INSTALLATION TYPE SMOKE CONTROL SYSTEM

Title (de)

GEBÄUDEINTERNES RAUCHKONTROLLSYSTEM MIT ZUGANGSPFADINSTALLATION

Title (fr)

SYSTÈME DE CONTRÔLE DE FUMÉE DE TYPE À INSTALLATION SUR UNE VOIE D'ACCÈS À UN BÂTIMENT

Publication

**EP 4234871 A1 20230830 (EN)**

Application

**EP 21886982 A 20211102**

Priority

- KR 2021015725 W 20211102
- KR 20200144430 A 20201102

Abstract (en)

The present invention relates to an in-building access path installation type smoke control system. An in-building access path installation type smoke control system is openably and closably installed in an in-building access path and includes a door casing having an intake port and a discharge port, a door nozzle installed in the door casing and configured to spray water supplied from the outside, and a main door body including a negative pressure inducer configured to allow water sprayed from the door nozzle to pass therethrough, generate negative pressure on the basis of the Venturi effect while the water passes therethrough, suck gas at the periphery of the door casing through the intake port, mix the sucked gas with water, and move the gas mixed with the water downward toward the discharge port.

IPC 8 full level

**E06B 5/16** (2006.01); **A62B 13/00** (2006.01); **A62C 2/06** (2006.01); **A62C 2/08** (2006.01)

CPC (source: EP KR)

**A62B 13/00** (2013.01 - KR); **A62C 2/06** (2013.01 - EP); **A62C 2/08** (2013.01 - KR); **A62C 3/14** (2013.01 - EP KR); **A62C 99/009** (2013.01 - EP); **E06B 5/16** (2013.01 - EP KR); **E06B 5/162** (2013.01 - EP); **A62C 2/08** (2013.01 - EP); **A62C 31/12** (2013.01 - EP); **E06B 3/82** (2013.01 - EP); **E06B 2003/7094** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4234871 A1 20230830**; **EP 4234871 A4 20240327**; CN 116507786 A 20230728; KR 102563537 B1 20230807; KR 20220059430 A 20220510

DOCDB simple family (application)

**EP 21886982 A 20211102**; CN 202180072430 A 20211102; KR 20210148773 A 20211102