

Title (en)

Ventilation system for ventilating a fire compartment in a building

Title (de)

Lüftungsanlage für ventilieren einen Brandabschnitt eines Gebäudes

Title (fr)

Système de ventilation pour aérer un compartiment de confinement d'incendie dans un bâtiment

Publication

**EP 2584278 A1 20130424 (EN)**

Application

**EP 12188482 A 20121015**

Priority

BE 201100611 A 20111019

Abstract (en)

The present invention relates to a relatively inexpensive ventilation system (1) for ventilating a fire compartment in a building with several fire compartments, separated by fire partitions (2), comprising: - a ventilation fan (3) for supplying and/or discharging of air; - a measuring system for detecting a fire; - ventilation fan control means for controlling the ventilation fan (3) adapted to shut down the ventilation fan (3) when a fire is detected; - a compartment through-passage (4) for passing the air through a fire partition (2) to or from the ventilation fan (3); - a fire-resistant sealing ring (5), around the compartment through-passage (4), at the location of the fire partition (2). The present invention also relates to a method for controlling the ventilation fan (3) of such a ventilation system.

IPC 8 full level

**F24F 1/00** (2011.01); **F24F 11/00** (2006.01)

CPC (source: EP)

**F24F 11/0001** (2013.01); **F24F 11/33** (2017.12); **F24F 11/35** (2017.12)

Citation (search report)

- [Y] US 5788571 A 19980804 - IVISON JOHN T [CA], et al
- [Y] WO 2010041045 A2 20100415 - CLOUGH JONATHAN [GB], et al
- [A] US 4765231 A 19880823 - ANIELLO MICHAEL J [US]
- [A] DE 19822335 A1 19991125 - ZANTVOORT GONNIE VAN [DE]
- [A] US 5215498 A 19930601 - WONG JACOB Y [US], et al

Cited by

FR3017932A1; CN109141049A

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

DOCDB simple family (publication)

**EP 2584278 A1 20130424**; **EP 2584278 B1 20160921**; BE 1020278 A5 20130702

DOCDB simple family (application)

**EP 12188482 A 20121015**; BE 201100611 A 20111019