

## Title (en)

DEVICE AND METHOD FOR FIRE-PREVENTION AND FOR EXTINGUISHING A FIRE THAT HAS BROKEN OUT IN AN ENCLOSED AREA

## Title (de)

VORRICHTUNG UND VERFAHREN ZUR BRANDVERHÜTUNG UND ZUR LÖSCHUNG EINES IN EINEM UMSCHLOSSENEN RAUM AUSGEBROCHENEN BRANDES

## Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LA PRÉVENTION D'INCENDIE ET L'EXTINCTION D'UN INCENDIE DÉCLENCHÉ DANS UNE PIÈCE FERMÉE

## Publication

**EP 2173440 B1 20150722 (DE)**

## Application

**EP 08786552 A 20080729**

## Priority

- EP 2008059914 W 20080729
- EP 07113646 A 20070801
- EP 08786552 A 20080729

## Abstract (en)

[origin: WO2009016168A1] The invention relates to a method and a device for fire-prevention and for extinguishing a fire in an enclosed area (10), in particular a laboratory area, in which a permanent negative pressure has been established, wherein the atmosphere of said area is supplied with fresh air in a controlled manner as incoming air and waste air is evacuated from the atmosphere of said area in a controlled manner and wherein in the event of fire or to prevent a fire, an extinguishing agent, which is gaseous under normal conditions, is fed into the atmosphere of the area as incoming air. The aim of the invention is to ensure pressure relief even when the area (10) is rapidly flooded with the gaseous extinguishing agent, without altering the established negative pressure. To achieve this, the volumetric flow of the incoming air that is fed in total to the atmosphere of the area as fresh air and/or as extinguishing agent is less than or equal to the volumetric flow of the waste air evacuated from the atmosphere of the area.

## IPC 8 full level

**A62C 99/00** (2010.01)

## CPC (source: EP US)

**A62C 99/0018** (2013.01 - EP US)

## Citation (examination)

- EP 1683548 A1 20060726 - AMRONA AG [CH]
- US 2003226669 A1 20031211 - WAGNER ERNST WERNER [DE]

## Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

## DOCDB simple family (publication)

**WO 2009016168 A1 20090205**; AR 070013 A1 20100310; AU 2008281805 A1 20090205; AU 2008281805 B2 20120315; CA 2694901 A1 20090205; CA 2694901 C 20150127; CL 2008002251 A1 20090102; CN 101801467 A 20100811; CN 101801467 B 20121226; EP 2173440 A1 20100414; EP 2173440 B1 20150722; ES 2549754 T3 20151102; HK 1139348 A1 20100917; JP 2010534543 A 20101111; JP 5184636 B2 20130417; RU 2010108167 A 20110910; RU 2465933 C2 20121110; UA 97990 C2 20120410; US 2009038811 A1 20090212; US 8079421 B2 20111220

## DOCDB simple family (application)

**EP 2008059914 W 20080729**; AR P080103350 A 20080801; AU 2008281805 A 20080729; CA 2694901 A 20080729; CL 2008002251 A 20080731; CN 200880101379 A 20080729; EP 08786552 A 20080729; ES 08786552 T 20080729; HK 10105506 A 20100603; JP 2010518647 A 20080729; RU 2010108167 A 20080729; UA A201000935 A 20080729; US 22209608 A 20080801