

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

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Application

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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

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CPC (source: EP US)

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Citation (examination)

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

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