

Title (en)

AIRBORNE CONTAMINANT ABATEMENT SYSTEMS AND METHODS

Title (de)

SYSTEME UND VERFAHREN ZUR VERMINDERUNG VON LUFTVERSCHMUTZUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS DE RÉDUCTION DE CONTAMINANTS EN SUSPENSION DANS L'AIR

Publication

**EP 4191150 A3 20230726 (EN)**

Application

**EP 22210526 A 20221130**

Priority

US 202163264757 P 20211201

Abstract (en)

Disclosed is an airborne contaminant abatement apparatus (100) comprising an air mover having an air mover inlet and an air mover outlet and configured to create an airflow when operating; a filter disposed in fluid communication with the airflow and configured to remove airborne contaminants therefrom; a supply air passage (120) disposed in fluid communication with the air mover outlet and a vent (130); the vent disposed along at least a portion of a boundary of a plurality of spaces to be occupied, wherein the vent is configured to accelerate the airflow passing therethrough to create an air curtain (200) extending from the boundary; a return air passage (160) configured to receive the airflow at a return port (160) and direct the airflow to the air mover inlet.

IPC 8 full level

**F24F 9/00** (2006.01)

CPC (source: CN EP US)

**F24F 3/163** (2021.01 - EP US); **F24F 7/003** (2021.01 - EP US); **F24F 7/06** (2013.01 - EP US); **F24F 8/10** (2021.01 - EP US); **F24F 8/108** (2021.01 - CN); **F24F 8/192** (2021.01 - CN); **F24F 9/00** (2013.01 - CN EP); **F24F 13/02** (2013.01 - CN); **F24F 13/28** (2013.01 - CN); **F24F 8/108** (2021.01 - EP); **F24F 8/192** (2021.01 - EP); **F24F 8/20** (2021.01 - EP); **F24F 8/30** (2021.01 - EP); **F24F 2009/002** (2013.01 - CN EP); **F24F 2120/10** (2017.12 - US)

Citation (search report)

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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (application)

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