

Title (en)
METHOD FOR DISINFECTING AIR IN AIR DUCTS

Title (de)
VERFAHREN ZUR DESINFEKTION VON LUFT IN LUFTKANÄLEN

Title (fr)
PROCÉDÉ DE DÉSINFECTION DE L'AIR CONTENU DANS DES CANALISATIONS D'AIR

Publication
EP 2621547 A1 20130807 (DE)

Application
EP 10757771 A 20100927

Priority
EP 2010064255 W 20100927

Abstract (en)
[origin: WO2012041362A1] The invention relates to a method and a device for disinfecting the air of an air flow (2) inside an air supply duct (1) with a nontoxic disinfectant. The disinfectant is sprayed and injected in the injection direction (31) by means of at least one injection nozzle (30) of an injection device (3), the injection direction (31) approximately corresponding to the direction of the air flow (2). The injection in the region located after a contraction (12) in the duct and the related flow acceleration enables an absorption of the particles on the inner walls (100) of the air supply duct (1), over the entire length of the air supply duct (1).

IPC 8 full level
A61L 9/14 (2006.01); **F24F 3/16** (2021.01); **A61L 9/22** (2006.01); **B60H 3/00** (2006.01); **F24F 6/14** (2006.01); **F24F 8/24** (2021.01)

CPC (source: EP US)
A61L 9/14 (2013.01 - EP US); **A61L 9/22** (2013.01 - EP US); **B60H 3/00** (2013.01 - EP US); **F24F 3/16** (2013.01 - EP US); **F24F 8/24** (2021.01 - EP US); **A61L 2209/16** (2013.01 - EP US); **A61L 2209/21** (2013.01 - EP US); **F24F 2221/225** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US)

Citation (search report)
See references of WO 2012041362A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2012041362 A1 20120405; AU 2010361376 A1 20130411; CA 2812625 A1 20120405; CN 103282059 A 20130904; EP 2621547 A1 20130807; JP 2013540008 A 20131031; JP 5693735 B2 20150401; RU 2013119370 A 20141110; US 2013255285 A1 20131003

DOCDB simple family (application)
EP 2010064255 W 20100927; AU 2010361376 A 20100927; CA 2812625 A 20100927; CN 201080069291 A 20100927; EP 10757771 A 20100927; JP 2013530582 A 20100927; RU 2013119370 A 20100927; US 201013876206 A 20100927