

Title (en)

AIR PURIFYING SYSTEM AND METHOD ASSOCIATED THERETO

Title (de)

LUFTREINIGUNGSSYSTEM UND DAMIT ASSOZIIERTES VERFAHREN

Title (fr)

SYSTÈME DE PURIFICATION D'AIR ET PROCÉDÉ ASSOCIÉ À CE SYSTÈME

Publication

EP 2373402 A1 20111012 (EN)

Application

EP 09806044 A 20091222

Priority

- IB 2009055906 W 20091222
- IT MI20082306 A 20081223

Abstract (en)

[origin: WO2010073217A1] A system (IM) for purifying air in an indoor environment (A), with subsequent total or partial recirculation or ejection outside, comprising aspirating means (B) adapted to generate a flow (F) of air circulating along a path (P) defined by conveying means (C;C1,C2,C3), and purifying means (S;2, 3,4,5, 6,7, 10) of said air, arranged along said path (P); the mentioned purifying means (S;2, 3,4,5,6,7, 10) comprise at least one scrubbing unit (4) of said air by passing said flow (F) through a liquid with controlled pH and added ozone, and a unit (6) for generating and feeding said ozone to said scrubbing unit (4).

IPC 8 full level

B01D 53/14 (2006.01); **A61L 9/015** (2006.01); **B01D 53/72** (2006.01); **B01D 53/75** (2006.01); **B01D 53/79** (2006.01); **F24F 8/10** (2021.01); **F24F 8/117** (2021.01)

CPC (source: EP US)

A61L 9/04 (2013.01 - EP); **A61L 9/145** (2013.01 - EP); **B01D 21/32** (2013.01 - EP); **B01D 47/021** (2013.01 - EP); **B01D 47/06** (2013.01 - EP); **B01D 53/1456** (2013.01 - EP); **B01D 53/72** (2013.01 - EP); **B01D 53/79** (2013.01 - EP); **F24F 8/10** (2021.01 - EP US); **F24F 8/117** (2021.01 - EP US); **F24F 8/40** (2021.01 - EP); **B01D 2251/104** (2013.01 - EP); **B01D 2257/404** (2013.01 - EP); **B01D 2257/502** (2013.01 - EP); **B01D 2257/504** (2013.01 - EP); **B01D 2257/708** (2013.01 - EP); **B01D 2257/90** (2013.01 - EP); **Y02A 50/20** (2017.12 - EP); **Y02P 70/10** (2015.11 - EP)

Citation (search report)

See references of WO 2010073217A1

Cited by

RU205610U1

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

DOCDB simple family (publication)

WO 2010073217 A1 20100701; EP 2373402 A1 20111012; IT 1392486 B1 20120309; IT MI20082306 A1 20100624

DOCDB simple family (application)

IB 2009055906 W 20091222; EP 09806044 A 20091222; IT MI20082306 A 20081223