

Title (en)
Supply air unit

Title (de)
Zuluftvorrichtung

Title (fr)
Unité d'alimentation en air

Publication
EP 2325571 B1 20200513 (EN)

Application
EP 10189929 A 20101104

Priority
FI 20096195 A 20091118

Abstract (en)
[origin: EP2325571A2] The supply air unit (100) comprises a supply air chamber (10), at least one mixing chamber (20a, 20b), nozzles (60a, 60b) or a nozzle gap, through which a fresh airflow (L1) is conducted from the supply air chamber (10) into the mixing chamber (20a, 20b), a suction chamber (40), into which a circulated airflow (L2) is sucked from the air-conditioned room space, at least one outlet opening (25a, 25b). The supply air unit also comprises at least one airflow controller (70), through which an additional airflow (L3) is conducted from the supply air chamber (10) into the suction chamber (40).

IPC 8 full level
F24F 1/0063 (2019.01); **F24F 1/0067** (2019.01); **F24F 1/01** (2011.01); **F24F 13/06** (2006.01)

CPC (source: EP FI US)
F24F 1/0047 (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP FI US); **F24F 1/0067** (2019.01 - EP FI US); **F24F 1/01** (2013.01 - EP FI US); **F24F 3/06** (2013.01 - US); **F24F 13/06** (2013.01 - EP US); **F28D 1/0233** (2013.01 - US); **F28F 27/00** (2013.01 - US); **F24F 2011/0002** (2013.01 - EP US); **F24F 2013/0616** (2013.01 - EP US)

Cited by
SE541076C2; US10443887B2; EP3161388B1

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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2325571 A2 20110525; **EP 2325571 A3 20150107**; **EP 2325571 B1 20200513**; DK 2325571 T3 20200803; FI 122952 B 20120914; FI 20096195 A0 20091118; FI 20096195 A 20110519; PL 2325571 T3 20201116; RU 2010147006 A 20120527; RU 2543594 C2 20150310; US 2011124279 A1 20110526; US 2014374063 A1 20141225

DOCDB simple family (application)
EP 10189929 A 20101104; DK 10189929 T 20101104; FI 20096195 A 20091118; PL 10189929 T 20101104; RU 2010147006 A 20101117; US 201414318261 A 20140627; US 94924410 A 20101118