

Title (en)

SYSTEMS AND METHODS TO MODERATE AIRFLOW

Title (de)

SYSTEME UND VERFAHREN ZUR MINDERUNG DES LUFTSTROMS

Title (fr)

SYSTÈMES ET PROCÉDÉS PERMETTANT DE MODÉRER LE DÉBIT D'AIR

Publication

EP 3882527 A1 20210922 (EN)

Application

EP 21163283 A 20210317

Priority

US 202062991129 P 20200318

Abstract (en)

A system and method to moderate an airflow in a heating, ventilation, and air conditioning (HVAC) unit (10), including an evaporator portion (18) disposed in a housing (14), the evaporator portion including at least one blower (26) disposed within a plenum (25) in airflow communication with a first heat exchanger (24), the plenum including at least one plenum wall, a vortex control device (27) operably coupled to the at least one plenum wall.

IPC 8 full level

F24F 1/0022 (2019.01); **F24F 13/08** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP US)

F24F 1/0022 (2013.01 - EP); **F24F 1/38** (2013.01 - US); **F24F 1/40** (2013.01 - US); **F24F 13/08** (2013.01 - EP US); **F24F 13/24** (2013.01 - EP US)

Citation (search report)

- [XYI] WO 2008106526 A1 20080904 - JOHNSON CONTROLS TECH CO [US], et al
- [Y] EP 0619461 A2 19941012 - DATTA DIPTI [CA]
- [YA] US 6193011 B1 20010227 - HARRIS STANLEY M [US]
- [X] US 8540557 B1 20130924 - DERKS IRVIN LEE [US], et al
- [X] WO 2014011980 A1 20140116 - TRANE INT INC [US]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3882527 A1 20210922; US 2021293444 A1 20210923

DOCDB simple family (application)

EP 21163283 A 20210317; US 202117249388 A 20210301