

Title (en)

AERAULIC DEVICE AND RADIANT CEILING THERMAL SYSTEM WITH INTERNAL AIR MIXING

Title (de)

LUFTTECHNISCHE VORRICHTUNG UND DECKENSTRAHLUNGSWÄRMESYSTEM MIT INTERNER LUFTMISCHUNG

Title (fr)

DISPOSITIF AÉRAULIQUE ET SYSTÈME THERMIQUE DE PLAFOND RADIANT À MÉLANGE D'AIR INTERNE

Publication

EP 4367444 A1 20240515 (EN)

Application

EP 22748070 A 20220705

Priority

- IT 202100018194 A 20210709
- IB 2022056199 W 20220705

Abstract (en)

[origin: WO2023281390A1] An aeraulic device (1, 1') for radiant ceiling thermal systems (10) of an internal room (100) comprises a case body (2) having an inlet opening (3) and an outlet opening (4) and at least a fan (30), housed internally in said case body (2), configured to move an airflow between said inlet opening (3) and outlet opening (4). Said aeraulic device (1, 1') is configured and suitable to be arranged in an upper volume or plenum (20) of the internal room (100) above the false ceiling (14) of said radiant system (10) and wherein said inlet opening (3) and outlet opening (4) are configured and suitable to be placed in fluid connection with said internal room (100) and said upper volume or plenum (20) in cooperation with at least two openings (18) of the false ceiling (14). The invention also comprises a radiant ceiling thermal system (10) provided with the aeraulic device (1,1').

IPC 8 full level

F24F 5/00 (2006.01); **E04B 9/02** (2006.01); **E04B 9/04** (2006.01); **F24D 3/16** (2006.01); **F24F 3/16** (2021.01); **F24F 7/10** (2006.01); **F24F 8/24** (2021.01); **F24F 13/02** (2006.01); **F24F 13/068** (2006.01); **F24F 13/24** (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP)

E04B 9/02 (2013.01); **E04B 9/0421** (2013.01); **F24D 3/165** (2013.01); **F24F 5/0092** (2013.01); **F24F 7/10** (2013.01); **F24F 8/24** (2021.01); **F24F 13/068** (2013.01); **F24F 13/24** (2013.01); **F24F 13/28** (2013.01); **F24F 3/16** (2013.01); **F24F 13/0263** (2013.01); **F24F 2013/242** (2013.01); **F24F 2221/14** (2013.01); **F24F 2221/54** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2023281390 A1 20230112; CN 117425799 A 20240119; EP 4367444 A1 20240515

DOCDB simple family (application)

IB 2022056199 W 20220705; CN 202280039683 A 20220705; EP 22748070 A 20220705