

Title (en)

METHOD AND DEVICE FOR AIR COOLING AND DEHUMIDIFICATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR LUFTKÜHLUNG UND LUFTENTFEUCHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE REFROIDISSEMENT D'AIR ET DE DÉSHUMIDIFICATION D'AIR

Publication

**EP 2394101 A1 20111214 (DE)**

Application

**EP 10708890 A 20100205**

Priority

- DE 2010000131 W 20100205
- DE 102009007591 A 20090205

Abstract (en)

[origin: WO2010088893A1] The invention relates to a method for air conditioning by way of a ventilation system, wherein, in order to set a specified target air state characterized by air humidity and air temperature, air having an initial air state is cooled and dehumidified with the help of an air cooler (10), in that a coolant supply apparatus assigned to the air cooler (10) for a coolant supplied to the air cooler (10) regulates both a coolant mass flux and a coolant inlet temperature in accordance with the initial air state and the specified target air state. Moreover, an apparatus for air conditioning is provided.

IPC 8 full level

**F24F 11/00** (2006.01); **G05D 22/00** (2006.01); **G05D 23/00** (2006.01)

CPC (source: EP US)

**F24F 11/00** (2013.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 11/46** (2017.12 - EP US); **F24F 11/62** (2017.12 - EP US); **F24F 11/84** (2017.12 - EP US); **F24F 11/85** (2017.12 - EP US); **F24F 2003/1446** (2013.01 - EP US); **F24F 2110/10** (2017.12 - EP US); **F24F 2110/20** (2017.12 - EP US); **F24F 2221/56** (2013.01 - EP US)

Citation (search report)

See references of WO 2010088893A1

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 2010088893 A1 20100812**; DE 102009007591 B3 20110310; EP 2394101 A1 20111214; US 2012048954 A1 20120301

DOCDB simple family (application)

**DE 2010000131 W 20100205**; DE 102009007591 A 20090205; EP 10708890 A 20100205; US 201013147396 A 20100205