

Title (en)  
AIR-CONDITIONING DEVICE

Title (de)  
KLIMATISIERUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF DE CLIMATISATION

Publication  
**EP 2633292 A1 20130904 (DE)**

Application  
**EP 11810823 A 20111219**

Priority  
• DE 102010063539 A 20101220  
• EP 2011073207 W 20111219

Abstract (en)  
[origin: WO2012084797A1] The invention relates to an air-conditioning device comprising a control unit and a sensor device, which can be used to detect the presence of an analyte in the room air, on the basis of which the quality of the room air can be concluded. The sensor device is equipped with a light source which emits light on a light path into the room and a detector sensitive to the light. The control unit controls the air-conditioning device depending on the output signal of the detector. If the analyte is located on the light path, the light is scattered and/or absorbed such that the detector detects a lower quantity of light, on the basis of which the presence of the analyte can be concluded. The light source can be pivoted such that differing light paths through the room can be set. To this end, for each light path the output signal of the detector is determined such that it can be ascertained where in the room the analyte is located, and the air-conditioning device can deliberately locally influence the climate.

IPC 8 full level  
**G01N 21/85** (2006.01)

CPC (source: EP US)  
**F24F 11/30** (2017.12 - EP US); **F24F 11/72** (2017.12 - EP US); **F24F 11/74** (2017.12 - EP US); **G01N 21/17** (2013.01 - US); **G01N 21/532** (2013.01 - EP US); **F24F 2110/50** (2017.12 - EP US); **F24F 2110/70** (2017.12 - EP US); **F24F 2110/72** (2017.12 - EP US); **F24F 2130/30** (2017.12 - EP US); **Y02B 30/70** (2013.01 - EP)

Citation (search report)  
See references of WO 2012084797A1

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)  
**WO 2012084797 A1 20120628**; CN 103370612 A 20131023; DE 102010063539 A1 20120621; EP 2633292 A1 20130904; US 2013295835 A1 20131107

DOCDB simple family (application)  
**EP 2011073207 W 20111219**; CN 201180061361 A 20111219; DE 102010063539 A 20101220; EP 11810823 A 20111219; US 201113996464 A 20111219