

Title (en)  
CEILING-EMBEDDED AIR CONDITIONER

Title (de)  
IN EINE RAUMDECKE EINGEBETTETE KLIMAAANLAGE

Title (fr)  
CLIMATISEUR INTÉGRÉ AU PLAFOND

Publication  
**EP 3309471 A4 20190116 (EN)**

Application  
**EP 15894979 A 20150612**

Priority  
JP 2015067027 W 20150612

Abstract (en)  
[origin: US2017343235A1] An object of the present invention is to provide a ceiling cassette air conditioner with which design deterioration due to wind direction vanes during operation is reduced. The ceiling cassette air conditioner of this invention includes a main body arranged in a ceiling and having a rectangular cross-section opening opens on a room side, a blower fan blowing air taken in from an air inlet to a discharge outlet in the main body, a heat exchanger arranged in the main body and downstream of the blower fan and exchanging heat with the air taken in from the air inlet, a decorative panel covering the opening to be flush with a ceiling surface, and wind direction vanes arranged in the discharge outlet for adjusting blowing directions. The wind direction vanes are arranged behind the decorative panel.

IPC 8 full level  
**F24F 13/20** (2006.01); **F24F 1/00** (2019.01); **F24F 13/32** (2006.01)

CPC (source: EP US)  
**F24F 1/0011** (2013.01 - US); **F24F 1/0014** (2013.01 - EP US); **F24F 1/0047** (2019.02 - EP US); **F24F 13/06** (2013.01 - US); **F24F 13/082** (2013.01 - US); **F24F 13/20** (2013.01 - EP US); **F24F 2221/26** (2013.01 - EP US)

Citation (search report)

- [IA] EP 2378214 A2 20111019 - LG ELECTRONICS INC [KR]
- [IA] JP 2008209099 A 20080911 - SANYO ELECTRIC CO
- [A] EP 2813769 A1 20141217 - LG ELECTRONICS INC [KR]

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)  
**US 2017343235 A1 20171130**; CN 107532817 A 20180102; EP 3309471 A1 20180418; EP 3309471 A4 20190116; JP 6103154 B1 20170329; JP WO2016199294 A1 20170622; WO 2016199294 A1 20161215

DOCDB simple family (application)  
**US 201515537010 A 20150612**; CN 201580079116 A 20150612; EP 15894979 A 20150612; JP 2015067027 W 20150612; JP 2016551345 A 20150612