

Title (en)  
CEILING-EMBEDDED AIR CONDITIONER

Title (de)  
IN EINE RAUMDECKE EINGEBETTETE KLIMAAANLAGE

Title (fr)  
CLIMATISEUR INTÉGRÉ AU PLAFOND

Publication  
**EP 3805659 A4 20220302 (EN)**

Application  
**EP 19811986 A 20190315**

Priority  
• JP 2018104520 A 20180531  
• JP 2019010747 W 20190315

Abstract (en)  
[origin: EP3805659A1] [Problem] To make it possible to blow conditioning air over a wider area.[Solution] The present invention is provided with a rotating unit 78 as an air blowing part that rotates around an axis normal to a virtual plane on the rear surface side of a decorative panel that is parallel to the bottom surface of a body unit, and blows conditioning air, which is delivered by a blower 31, in a predetermined direction, wherein the rotating unit 78 preferably has a truncated cone that protrudes toward a room to be air conditioned from the panel surface of the decorative panel, and an air blowing outlet 783, for blowing the conditioning air delivered by the blower 31 along the panel surface, is formed in a portion of a side surface of the truncated cone.

IPC 8 full level  
**F24F 1/0014** (2019.01); **F24F 1/0047** (2019.01); **F24F 13/06** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP US)  
**F24F 1/0011** (2013.01 - US); **F24F 1/0014** (2013.01 - EP); **F24F 1/0047** (2019.02 - EP US); **F24F 13/065** (2013.01 - EP); **F24F 13/20** (2013.01 - EP); **F24F 2221/14** (2013.01 - US); **F24F 2221/26** (2013.01 - US)

Citation (search report)  
• [X] KR 101039768 B1 20110609 - HUH MAN SEUNG [KR]  
• [A] AU 602964 B2 19901101 - WINFIELD LEROY KELLEY  
• [A] KR 101218568 B1 20130104 - DAESUNGTECHWIN CO LTD [KR]  
• See also references of WO 2019230128A1

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)  
**EP 3805659 A1 20210414**; **EP 3805659 A4 20220302**; AU 2019278063 A1 20210107; CN 112204316 A 20210108; CN 112204316 B 20220708; JP 2019211099 A 20191212; JP 6756988 B2 20200916; US 2021207818 A1 20210708; WO 2019230128 A1 20191205

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**EP 19811986 A 20190315**; AU 2019278063 A 20190315; CN 201980036247 A 20190315; JP 2018104520 A 20180531; JP 2019010747 W 20190315; US 201917059715 A 20190315