

Title (en)  
CEILING-EMBEDDED AIR CONDITIONER

Title (de)  
IN DER DECKE EINGEBETTETE KLIMAANLAGE

Title (fr)  
CLIMATISEUR INTÉGRÉ AU PLAFOND

Publication  
**EP 1804002 A4 20100519 (EN)**

Application  
**EP 05788354 A 20050927**

Priority  
• JP 2005017702 W 20050927  
• JP 2004282747 A 20040928

Abstract (en)  
[origin: EP1804002A1] A casing 1 which is formed into a horizontally long rectangular shape and whose undersurface is opened is arranged under a ceiling of a room to be air conditioned. A heat exchanger 9, a fan 8 and the like are contained in the inside of the casing 1. A decorative panel 2 is engaged into an undersurface opening portion 1a of the casing and exposed to the inside of the room to be air conditioned. An outlet port 15 is opened into a horizontally long rectangular shape, over the roughly full length in the longitudinal direction of the decorative panel 2. A reinforcing connection member 20 is positioned roughly at the center portion in the longitudinal direction of the outlet port and arranged between both the side portions along the longitudinal direction of the outlet port and attached to the decorative panel. A hole portion 100g is arranged in the reinforcing connection member. A fixing screw 23 is inserted from the decorative panel into the hole portion of the reinforcing connection member, and attaches and fixes the decorative panel to the casing together with the reinforcing connection member.

IPC 8 full level  
**F24F 1/00** (2011.01)

CPC (source: EP KR)  
**F24F 1/00** (2013.01 - KR); **F24F 1/0011** (2013.01 - EP); **F24F 1/0047** (2019.01 - EP); **F24F 13/30** (2013.01 - KR)

Citation (search report)  
• [X] JP H044622 A 19920109 - OKI ELECTRIC IND CO LTD  
• [I] EP 1321724 A1 20030625 - DAIKIN IND LTD [JP]  
• [A] EP 1016833 A2 20000705 - MITSUBISHI ELECTRIC CORP [JP]  
• See references of WO 2006035747A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1804002 A1 20070704**; **EP 1804002 A4 20100519**; CN 101031752 A 20070905; JP WO2006035747 A1 20080515; KR 20070058530 A 20070608; WO 2006035747 A1 20060406

DOCDB simple family (application)  
**EP 05788354 A 20050927**; CN 200580032745 A 20050927; JP 2005017702 W 20050927; JP 2006537738 A 20050927; KR 20077006921 A 20070327