

Title (en)  
CEILING PANEL AND AIR CONDITIONER

Title (de)  
DECKENPLATTE UND KLIMAANLAGE

Title (fr)  
PANNEAU DE PLAFOND ET CLIMATISEUR

Publication  
**EP 3587952 A4 20201125 (EN)**

Application  
**EP 17897295 A 20170227**

Priority  
JP 2017007402 W 20170227

Abstract (en)  
[origin: EP3587952A1] A ceiling panel includes a frame body having corner parts, and corner covers which detachably cover the corner parts. Each of the corner parts includes an outer circumferential part including engaging holes, a screw-receiving part positioned on the inner side of the outer circumferential part, and a cover-fixing screw screwed into the screw-receiving part. Each of the corner covers includes engaging claws, and a screw-fixing part protruded toward the screw-receiving part. The screw-fixing part includes a guide slot which is opened at a tip of the screw-fixing part, and guide walls protruded from the screw-fixing part so as to surround the guide slot. The guide walls move the corner cover toward a regular position on the corner part when the cover-fixing screw is tightened.

IPC 8 full level  
**F24F 13/32** (2006.01); **F24F 1/0047** (2019.01); **F24F 13/20** (2006.01)

CPC (source: EP)  
**F24F 1/0047** (2019.01); **F24F 13/20** (2013.01)

Citation (search report)

- [A] EP 1327829 A1 20030716 - MITSUBISHI ELECTRIC CORP [JP]
- [A] EP 2192357 A1 20100602 - TOSHIBA CARRIER CORP [JP]
- [A] EP 2023049 A2 20090211 - SANYO ELECTRIC CO [JP]
- [A] EP 2017543 A1 20090121 - TOSHIBA CARRIER CORP [JP]
- See references of WO 2018154765A1

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 3587952 A1 20200101**; **EP 3587952 A4 20201125**; **EP 3587952 B1 20211124**; JP 6772361 B2 20201021; JP WO2018154765 A1 20191107; WO 2018154765 A1 20180830

DOCDB simple family (application)  
**EP 17897295 A 20170227**; JP 2017007402 W 20170227; JP 2019500992 A 20170227