

Title (en)

CONTACT COMPONENT AND CEILING COMPONENT FOR A HEATING AND COOLING CEILING

Title (de)

KONTAKTELEMENT UND DECKENELEMENT FÜR EINE HEIZ- UND KÜHLDECKE

Title (fr)

ELEMENT DE CONTACT ET ELEMENT DE PLAFOND POUR PLAFOND CHAUFFANT ET REFRIGERANT

Publication

**EP 0784773 A1 19970723 (DE)**

Application

**EP 95932608 A 19951011**

Priority

- CH 9500232 W 19951011
- CH 310294 A 19941014

Abstract (en)

[origin: WO9612144A1] To make production easier and more economical and facilitate installation, ceiling components consist of a perforated cover panel (1) and at least one contact component (3) preferably laid removably thereon through which passes a heat conveying fluid, preferably in a plastic pipe (6) laid in meandering fashion in a guide (5). The guide (5) is secured to a contact plate (4), the contact surface (7) of which lies on a conducting component (8) in the form of a flat foil bag, e.g. of polyamine or polyester, with an internal sealant like polyethylene, filled with an unpressurised fluid (10), preferably a liquid or a gel, so that it espouses the forms of the cover panel (1) and the contact plate (4), ensuring good thermal contact between the two. To improve sound absorption, the conducting component (8) and the contact plate (4) have apertures (11) and are covered by an insulating mat (12). The conducting component may also be a plastic or elastic mat of e.g. plastic filled with metal particles.

IPC 1-7

**F24F 5/00**; **F24D 3/16**

IPC 8 full level

**F24D 3/16** (2006.01); **F24F 5/00** (2006.01)

CPC (source: EP)

**F24D 3/127** (2013.01); **F24D 3/142** (2013.01); **F24D 3/165** (2013.01); **F24F 5/0089** (2013.01); **F24F 5/0092** (2013.01); **Y02B 30/00** (2013.01)

Citation (search report)

See references of WO 9612144A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL

DOCDB simple family (publication)

**WO 9612144 A1 19960425**; EP 0784773 A1 19970723

DOCDB simple family (application)

**CH 9500232 W 19951011**; EP 95932608 A 19951011