

Title (en)
Flat element for heating or cooling

Title (de)
Flächiges Kühl- und Heizelement

Title (fr)
Élément plat de chauffage ou de refroidissement

Publication
EP 0756138 B1 20010816 (DE)

Application
EP 96110258 A 19960626

Priority
DE 29512106 U 19950727

Abstract (en)
[origin: EP0756138A2] The cooling and heating element (Ke) is closed off to the room by a porous ceiling layer (Ds) which can be passed by a first input air flow (Zs1) directed into the room (Ra) and divided into a number of part flows. The ceiling layer may be of the micro-porous type. A fan (La) and/or in its air flow a heat exchanger (Wt) may be provided in the interior (In) of the cooling and heating element, pref. at least, in a separate housing (Gh). The ceiling layer may comprise a fleece or weave of glass, plastic or natural fibres. At least one air outlet aperture (Lo) penetrating the ceiling layer may be provided for an undisturbed second input air flow fed into the room from the fan and/or the heat exchanger.

IPC 1-7
F24F 5/00; **F24F 13/068**

IPC 8 full level
E04B 9/02 (2006.01); **F24F 1/0047** (2019.01); **F24F 1/0057** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0073** (2019.01); **F24F 5/00** (2006.01); **F24F 13/068** (2006.01)

CPC (source: EP US)
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Cited by
CH708016A1; DE19730180A1; DE19730180C2; WO2005056065A1; WO9904111A1; US6267666B1; US7381245B2

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