

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 A3 19970604 (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 1/00; **F24F 5/00**

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)
E04B 9/02 (2013.01 - EP); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0057** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0073** (2019.01 - EP US); **F24F 5/0089** (2013.01 - EP); **F24F 5/0092** (2013.01 - EP)

Citation (search report)
• [X] DE 9205391 U1 19920702
• [X] EP 0536446 A1 19930414 - CA BYGG AB [SE]
• [X] NL 7701690 A 19770907 - SVENSKA FLAECTFABRIKEN AB
• [X] NL 8502079 A 19870216 - AERTS ELEKTRO BV
• [X] FR 1138172 A 19570611

Cited by
CH708016A1; DE19730180A1; DE19730180C2; WO2005056065A1; WO9904111A1; US6267666B1; US7381245B2

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