Title (en)
RADIANT-HEATING UNIT

Publication
EP 0204185 B1 19900425 (DE)

Application
EP 86106512 A 19860514

Priority
DE 3519350 A 19850530

Abstract (en)
[origin: ES8707400A1] In a radiant heating unit, an insulating support for carrying a radiant heating resistor is molded or pressed using a granulation of expanded clay materials, particularly expanded mica or vermiculite. The granulation is compressed and bound in a blank by a mineral binder, particularly water glass, and the heating resistor is positively secured in the moulded granulation by embedding parts of the resistance wire forming the resistor, in such a way that the resistor is in part free of the insulating support on the front. The heating resistor can be embedded during production of the insulating support or can subsequently be pressed into the support. The insulating support of the heating unit is low in weight and easy to manufacture, has optimum electrical and thermal insulating properties and has very good strength, whereby the heating unit has a long service life.

IPC 1-7
H05B 3/74

IPC 8 full level
H05B 3/74 (2006.01); **H05B 3/76** (2006.01)

CPC (source: EP US)
H05B 3/748 (2013.01 - EP US); H05B 2203/017 (2013.01 - EP US)

Citation (examination)
EP 0105968 A1 19840425 - ELPAG AG CHUR [CH]

Cited by
BE1000397A4; EP0571054A3; EP0276644A1; EP0644707A1; US5532458A; US6180927B1; WO9817596A1; WO8804874A1

Designated contracting state (EPC)
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