

Title (en)
HEATING ELEMENT FOR A SPRAY GUN

Publication
EP 0147627 A3 19860219 (DE)

Application
EP 84114154 A 19841123

Priority
DE 3342755 A 19831125

Abstract (en)
[origin: EP0147627A2] The invention relates to a heating element for thermal equipment, having a plate-shaped ceramic resistance conductor (3) on whose flat sides there are arranged electrode plates (7), stamped from thin sheet metal, as electrodes. A Kapton film (9) is wound around this plate assembly (3, 7) as a thermally conductive, but electrically insulating sleeve. It is advantageous if, during the stamping process, the electrode plates are at the same time provided with extensions for cable clamping sleeves on one end for the direct attachment of the wires (10) of a connecting cable (22). Furthermore, a heating element of the above type is described onto whose ceramic plate (3) there are applied electrically conductive coatings (15) as electrodes, and in which the wires (10) of the connecting cable (22) are directly hard soldered onto the coating. Furthermore, methods are described for manufacturing both the heating resistors. Finally, the invention describes a hot-adhesive pistol for the liquefaction of a bar-shaped thermoplastic plastic adhesive in which the above-mentioned narrow, plate-shaped heating elements (6, 14) according to the invention are arranged at least partly inserted into the heating channel (17) in the vertical direction. <IMAGE>

IPC 1-7
H05B 3/06; **H05B 3/14**; **B05B 7/18**; **B05C 17/00**

IPC 8 full level
B05C 17/005 (2006.01); **H05B 3/06** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)
B05C 17/00546 (2013.01); **H05B 3/06** (2013.01); **H05B 3/141** (2013.01)

Citation (search report)

- [X] GB 2079570 A 19820120 - CONAIR
- [X] EP 0017057 A1 19801015 - MEKU METALL KUNSTSTOFF [DE]
- [Y] EP 0055350 A2 19820707 - STEINEL GMBH & CO KG [DE]
- [Y] DE 2948591 A1 19810611 - EICHENAUER FA FRITZ [DE]
- [Y] DE 2901711 A1 19800731 - SIEMENS AG
- [A] FR 2253572 A1 19750704 - BADALEX LTD [GB]
- [A] EP 0076735 A1 19830413 - TOUTELECTRIC [MC]

Cited by
EP1046576A3; EP0780083A1; US6112367A; DE102007017768B4; DE102007017768A1; US5688421A; CN108355925A; US6834159B1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0147627 A2 19850710; **EP 0147627 A3 19860219**; DE 3342755 A1 19850605

DOCDB simple family (application)
EP 84114154 A 19841123; DE 3342755 A 19831125