

Title (en)

Electric heating element for heating a gaseous medium

Title (de)

Elektrisches Widerstandsheizelement zum Erwärmen eines gasförmigen Mediums

Title (fr)

Élément chauffant électrique pour le chauffage d'un fluide gazeux

Publication

EP 0719073 A3 19970409 (DE)

Application

EP 95119359 A 19951208

Priority

DE 4443725 A 19941208

Abstract (en)

[origin: EP0719073A2] The wire wound electric heating element (4) is gripped by shaped clips (6) attached to support brackets (7) which have a clip fastening into the support base (2). This allows a robotic assembly and eliminates point contacts with the heater wire. The shape and position of the heating coils is selected to optimise the heating effect on the particular airflow. The windings are gripped with a simple ratchet grip which covers at least one winding. Either the grips and supports, or the base support, are of insulating material while the other components are metal. The system can be extended to more than one heating element on the common support.

IPC 1-7

H05B 3/32

IPC 8 full level

F24H 3/04 (2006.01); **F26B 23/06** (2006.01); **H05B 3/06** (2006.01); **H05B 3/32** (2006.01)

CPC (source: EP)

F24H 3/0405 (2013.01); **F26B 23/06** (2013.01); **H05B 3/06** (2013.01); **H05B 3/32** (2013.01)

Citation (search report)

- [X] DE 2709413 A1 19780921 - EICHENAUER FA FRITZ
- [A] FR 2515914 A3 19830506 - SEB SA [FR]
- [A] DE 2722213 A1 19781130 - EICHENAUER FA FRITZ
- [A] EP 0276755 A1 19880803 - RICA RESIS IND CORAZZA AFFINI [IT]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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