

Title (en)

Flat and flexible heating element with integral electric connector.

Title (de)

Biegsamer Flachheizkörper mit eingebautem elektrischem Anschluss.

Title (fr)

Élément chauffant plat et souple à connectique intégrée.

Publication

EP 0572340 A1 19931201 (FR)

Application

EP 93420213 A 19930527

Priority

FR 9206679 A 19920527

Abstract (en)

- Flexible heating element. - The invention relates to a flexible heating element (1) including at least one resistive wire (2) defining a circuit (6) with at least one input lead (4) and one output lead (5), the said wire being inserted between two electrical insulating films (3, 3') and being joined to at least one external electrical unit by linking means (10, 15, 19), characterised in that the linking means consist of at least one flexible connection tag (10, 15, 19) forming a prolongation of the heating element (1), and comprising, inserted between the two insulating films (3, 3'), at least two linking leads (4, 5, 18) extracted from the circuit (6) and wired to the electrical unit and having a resistivity matched to their linking function. - Application to domestic electrical appliances. <IMAGE>

IPC 1-7

H05B 3/30; **H05B 3/06**

IPC 8 full level

D06F 75/24 (2006.01); **H05B 3/06** (2006.01); **H05B 3/30** (2006.01)

CPC (source: EP)

D06F 75/24 (2013.01); **H05B 3/06** (2013.01); **H05B 3/30** (2013.01); **H05B 2203/003** (2013.01)

Citation (search report)

- [Y] DE 2615064 A1 19771020 - HUSQVARNA AB
- [Y] CA 1207365 A 19860708 - OHMTEK PRODUCTS LTD
- [Y] EP 0380896 A1 19900808 - SEB SA [FR]
- [A] US 4139763 A 19790213 - MCMULLAN JAMES P, et al
- [A] EP 0127226 A2 19841205 - COGEBI [BE]
- [A] EP 0334824 A2 19890927 - KANTHAL AB [SE]
- [A] GB 1545770 A 19790516 - SMITHS INDUSTRIES LTD

Cited by

FR2963867A1; CN108353467A; US11292085B2; WO9704622A1; WO2012019855A1; US10897794B2

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0572340 A1 19931201; FR 2691869 A1 19931203; FR 2691869 B1 19960802

DOCDB simple family (application)

EP 93420213 A 19930527; FR 9206679 A 19920527