

Title (en)

Electrical connection device for components of heating apparatuses.

Title (de)

Elektrische Verbindungseinrichtung für Komponenten von Heizgeräten.

Title (fr)

Dispositif de connexion électrique pour composants d'appareils de chauffage.

Publication

**EP 0317756 B1 19940622 (DE)**

Application

**EP 88117242 A 19881017**

Priority

DE 3740195 A 19871127

Abstract (en)

[origin: JPH01200581A] PURPOSE: To simplify manufacture for the connecting device of a required electric wire and simplify and ensure maintenance and handling, by collecting given shaped plugs by being grouped with kinds of heater component and covering the plugs with a tight cap. CONSTITUTION: Wires 4 from the respective components of a heater 1 are sorted into plural groups classified by the character of the wires 4 to mold the plugs 7 at every group. The plugs 7 have different shapes respectively, and are fitted with each other to form a unit 6. A rigid cap 8 including a power source wire 11 has a supplementary shape with the unit 6 to tightly coat the unit 6 of flexible material via a rim 18 and a plug part 17 to form a connection device 3. The gap 8 and the unit 6 are simply joined by one screw 9, and connection becomes simple and correct by the shape of the plug 7, moreover a sub-unit can be possible to change at the time of failure.

IPC 1-7

**H01R 23/10**; **H01R 13/514**

IPC 8 full level

**H01R 13/52** (2006.01); **H01R 13/02** (2006.01); **H01R 13/514** (2006.01); **H01R 13/533** (2006.01); **H01R 24/00** (2006.01)

CPC (source: EP US)

**H01R 13/514** (2013.01 - EP); **H01R 13/6215** (2013.01 - EP); **H01R 24/00** (2013.01 - US); **H01R 24/76** (2013.01 - EP)

Cited by

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Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**EP 0317756 A2 19890531**; **EP 0317756 A3 19901219**; **EP 0317756 B1 19940622**; DE 3740195 A1 19890608; DE 3850353 D1 19940728; JP H01200581 A 19890811; US 4909750 A 19900320

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