

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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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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