

Title (en)
ELECTRICAL CONNECTION DEVICE FOR COMPONENTS OF HEATING APPARATUSES

Publication
EP 0317756 A3 19901219 (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 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)

Citation (search report)
• [A] EP 0132535 A2 19850213 - PORSCHE AG [DE]
• [A] EP 0037013 A2 19811007 - SIEMENS AG [DE]
• [A] US 4343528 A 19820810 - LUCIUS JOHN E, et al
• [A] US 3660802 A 19720502 - STAUDT MARKUS

Cited by
DE102005021319B3

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

DOCDB simple family (application)
EP 88117242 A 19881017; DE 3740195 A 19871127; DE 3850353 T 19881017; JP 29938388 A 19881126; US 27666788 A 19881128