

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  
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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)  
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• [A] US 4343528 A 19820810 - LUCIUS JOHN E, et al  
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