

Title (en)
Glow plug.

Title (de)
Glühkerze.

Title (fr)
Bougie à incandescence.

Publication
EP 0648977 A3 19950816 (DE)

Application
EP 94114747 A 19940919

Priority
DE 4335292 A 19931015

Abstract (en)
[origin: EP0648977A2] Heater plug having a hollow body 1 in which a ceramic heating element 2 is arranged such that it projects axially at one side of the hollow body 1. The heating element 2 consists of a ceramic conductor 6 which is embedded in a ceramic insulator 7 and is connected to power supply terminals, that is to say to frame (ground, earth) via the metallic hollow body 1 and to a plug and socket connection 3. The contacts of the ceramic conductor 6 with the power supply terminals are formed by contact surfaces 8, 9 on the ceramic conductor 6 via which the latter makes contact, on the one hand, with the metallic hollow body 1 and, on the other hand, with the plug and socket connection 3. The contacts are preferably under pressure, which is achieved by producing a bias between the components which are in contact. It is preferred to provide metallic contact parts, for example contact rings 10, 11 on the contact points between the contact surfaces 8, 9 and the metallic hollow body 1 as well as the plug and socket connection 3. <IMAGE>

IPC 1-7
F23Q 7/00

IPC 8 full level
F23Q 7/00 (2006.01); **H05B 3/10** (2006.01); **H05B 3/14** (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP US)
F23Q 7/001 (2013.01 - EP US)

Citation (search report)
• [X] EP 0194535 A2 19860917 - ALLIED CORP [US]
• [X] GB 2092670 A 19820818 - BOSCH GMBH ROBERT

Cited by
DE102009056057B4; US5880432A; EP2626631A4; US9964306B2; WO2007033824A1; US10993288B2; US11930564B2

Designated contracting state (EPC)
AT DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0648977 A2 19950419; EP 0648977 A3 19950816; EP 0648977 B1 19970319; EP 0648977 B2 20011121; AT E150537 T1 19970415; DE 4335292 A1 19950420; DE 59402135 C5 20140724; DE 59402135 D1 19970424; ES 2101416 T3 19970701; ES 2101416 T5 20020216; JP 3712134 B2 20051102; JP H07217880 A 19950818; US 5589091 A 19961231

DOCDB simple family (application)
EP 94114747 A 19940919; AT 94114747 T 19940919; DE 4335292 A 19931015; DE 59402135 T 19940919; ES 94114747 T 19940919; JP 24551394 A 19941011; US 32595094 A 19941017