

Title (en)
Glow plug

Title (de)
Glühkerze

Title (fr)
Bougie à incandescence

Publication
EP 0648977 B2 20011121 (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; **H05B 3/10**

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 (opposition)
Opponent :
DE 3146653 C2 19860904

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

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