

Title (en)  
Sheathed-element glow plug

Title (de)  
Glühstiftkerze

Title (fr)  
Bougie-crayon à incandescence

Publication  
**EP 0826927 A1 19980304 (DE)**

Application  
**EP 97111620 A 19970709**

Priority  
DE 19631973 A 19960808

Abstract (en)  
The glow-plug has a glow tube embedded on the combustion chamber side in a metallic tubular housing and filled with insulating powder. In the housing is an electrical connector, projecting into the tube. A ceramic disc working as an insulating seal closes the tube at the end remote from the combustion chamber. The connection between the glow tube (10) and the disc (13) as well as between the connector (12) and the disc results from friction-welding. The connector has two parts of different diameters, one part inside the tube and one part outside it, the latter having the smaller diameter. Thus the connector has a shoulder against which the disc seals.

Abstract (de)  
Es wird eine Glühstiftkerze vorgeschlagen, bei welcher die Abdichtung des Glührohres gegen die elektrische Anschlußvorrichtung mittels einer Keramikscheibe erfolgt, wobei die Verbindung Keramikscheibe und Glührohr bzw. Keramikscheibe und Anschlußvorrichtung mittels Reibschweißen erfolgt. <IMAGE>

IPC 1-7  
**F23Q 7/00**

IPC 8 full level  
**F23Q 7/00** (2006.01)

CPC (source: EP)  
**F23Q 7/001** (2013.01)

Citation (search report)  
• [A] DE 2625318 A1 19770127 - EMERSON ELECTRIC CO  
• [A] DE 2602427 A1 19770728 - BRAUN AG

Cited by  
CN103930232A; CN108098211A; WO2013068481A1

Designated contracting state (EPC)  
DE FR GB IT

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**DE 19631973 A1 19980219**; DE 59707777 D1 20020829; EP 0826927 A1 19980304; EP 0826927 B1 20020724; JP H1073252 A 19980317

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**DE 19631973 A 19960808**; DE 59707777 T 19970709; EP 97111620 A 19970709; JP 21025397 A 19970805