

Title (en)

Current self-control type glow plug

Title (de)

Glühkerze mit Selbstregelung des Stromes

Title (fr)

Bougie à incondescence et à autoréglage de courant

Publication

**EP 0657698 B1 20001115 (EN)**

Application

**EP 94308900 A 19941130**

Priority

JP 34119493 A 19931213

Abstract (en)

[origin: EP0657698A2] A current self-control type glow plug includes a ceramic pipe 2 attached to a hollow body 1 having a connector 12, and a front end portion 15 and a body-side end portion 17 of the pipe 2 are filled with ceramic fillers 6,7. The coil 3 comprises the heating coil part 4 and the control coil part 5. The heating coil part 4 constituting a heating part is arranged in contact with the inner wall surface 20 of the pipe 2. The control coil part 5 constituting a current control part is arranged out of contact with the inner wall surface 20 of the pipe 2. The current control means 10 having a positive resistance-temperature coefficient is connected to the coil 3 and the connector 12. The resistance of the current control means 10 sharply increases above a specified temperature to cut off the current supply to the coil 3. <IMAGE>

IPC 1-7

**F23Q 7/00**

IPC 8 full level

**F23Q 7/00** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)

**F23Q 7/001** (2013.01)

Cited by

EP1001220A3; US7122764B1; WO2014202265A1; WO0120229A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0657698 A2 19950614**; **EP 0657698 A3 19960828**; **EP 0657698 B1 20001115**; DE 657698 T1 19960829; DE 69426288 D1 20001221; JP H07167433 A 19950704

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