

Title (en)

Sheated element glow plug for internal combustion engines

Title (de)

Glühstiftkerze für Brennkraftmaschinen

Title (fr)

Bougie-crayon de chauffage pour moteurs à combustion interne

Publication

EP 1213540 B1 20070124 (DE)

Application

EP 01126795 A 20011109

Priority

DE 10060273 A 20001205

Abstract (en)

[origin: DE10060273C1] The glow plug (1) comprises a dielectric resistance element (17) composed of two resistance coils (20, 21) connected in series. The coil (20) on the combustion chamber side acts as a heating element and the coil (21) on the side facing away from the combustion chamber acts as a regulating element, is made from an iron-based alloy and maintains a body-centered cubic crystal structure during all operational states. Preferred Features: The iron-based alloy has a temperature resistant coefficient of more than 6, preferably more than 7. The iron-based alloy contains 1.25-2 wt.% vanadium, 2-3.5 wt.% molybdenum and 1-2 wt.% titanium.

IPC 8 full level

F23Q 7/00 (2006.01)

CPC (source: EP)

F23Q 7/001 (2013.01)

Cited by

DE10310255A1

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EP 1213540 A2 20020612; EP 1213540 A3 20060607; EP 1213540 B1 20070124; AT E352753 T1 20070215; DE 10060273 C1 20011213; DE 50111946 D1 20070315

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