

Title (en)
GLOW PLUG

Title (de)
GLÜHKERZE

Title (fr)
BOUGIE DE PRÉCHAUFFAGE

Publication
EP 3396250 B1 20191204 (EN)

Application
EP 18165741 A 20180404

Priority
• JP 2017085047 A 20170424
• JP 2017249216 A 20171226

Abstract (en)
[origin: EP3396250A1] To reduce variation in thermal performance among individual glow plugs. A glow plug 10 includes a sheath tube (tubular member) 810 whose forward end is closed with a fusion zone 891, and a heat generation coil (coiled heat generation element) 820. The heat generation coil 820 contains W as a main component. The distance A between a first heat-generation-element cross section 902a and a second heat-generation-element cross section 903a is rendered greater than the distance B between the second heat-generation-element cross section 903a and a third heat-generation-element cross section 904a. Namely, the distance A (i.e., space) between the first heat-generation-element cross section 902a and the second heat-generation-element cross section 903a is increased such that the rear end surface 895 of the fusion zone 891 is disposed in the space. Accordingly, even when the amount of the melted material of the sheath tube 810 varies and thus the position of the rear end surface 895 of the fusion zone 891 varies in the axial direction, the position of the rear end surface 895 is located between the first heat-generation-element cross section 902a and the second heat-generation-element cross section 903a without fail.

IPC 8 full level
F23Q 7/00 (2006.01)

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

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3396250 A1 20181031; EP 3396250 B1 20191204

DOCDB simple family (application)
EP 18165741 A 20180404