Title (en)

GLOW PLUG

Title (de)

GLÜHKERZE

Title (fr)

BOUGIE DE PRÉCHAUFFAGE

Publication

EP 3396249 B1 20191009 (EN)

Application

EP 18165735 A 20180404

Priority

- JP 2017085046 A 20170424
- JP 2017249214 A 20171226

Abstract (en)

[origin: EP3396249A1] To provide a glow plug having a heat generation element fixed at a desired position in a forward end of a tubular member. A radial distance F between the radially outermost end of a first heat-generation-element cross section 901 which is a rearmost one of the cross sections of a heat generation coil 820 appearing in a fusion zone 891 and disposed on one side of an axial line and the radially innermost end of a base metal portion 893 is 0.200 mm or less. Specifically, the distance F between a straight line L1 extending along the axial line from the radially outermost end of the first heat-generation-element cross section 901 and a straight line L2 extending along the axial line from the radially innermost end of the base metal portion 893 is 0.200 mm or less. Further, a radial distance G between the radially outermost end of a second heat-generation-element cross section 902 which is a rearmost one of the cross sections of the heat generation coil 820 appearing in the fusion zone 891 and disposed on the other side of the axial line and the radially innermost end of the base metal portion 893 is 0.200 mm or less. Specifically, the distance G between a straight line L3 extending along the axial line from the radially outermost end of the second heat-generation-element cross section 902 and a straight line L4 extending along the axial line from the radially innermost end of the base metal portion 893 is 0.200 mm or less.

IPC 8 full level

F23Q 7/00 (2006.01)

CPC (source: EP)

F23Q 7/001 (2013.01); F23Q 2007/004 (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 3396249 A1 20181031; **EP 3396249 B1 20191009**

DOCDB simple family (application)

EP 18165735 A 20180404