Title (en)
GLOW PLUG

Title (de)
GLÜHKERZE

Title (fr)
BOUGIE DE PRÉCHAUFFAGE

Publication
EP 3163172 B1 20190821 (EN)

Application
EP 16192083 A 20161003

Priority
JP 2015214663 A 20151030

Abstract (en)
[origin: EP3163172A1] To secure durability and rapid heat-up performance of a glow plug. A glow plug includes a sheath tube having a side portion extending in the axial direction and a forward end portion connected to the forward end of the side portion and closing the forward end of the side portion, and a heat generation coil disposed in the sheath tube in such a manner as to extend in the axial direction and whose forward end portion is connected to the forward end portion of the sheath tube. The forward end portion of the heat generation coil is surrounded by and embedded in the forward end portion of the sheath tube. An alloy portion located between the heat generation coil and the forward end portion of the sheath tube and formed of an alloy of a metal used to form the sheath tube and a metal used to form the heat generation coil has a thickness of 10 µm or less. The minimum thickness A of the side portion of the sheath tube as measured in a region along the axial direction where the heat generation coil is disposed, the distance B along the axial direction from the forward end of the sheath tube to the forward end of the heat generation coil, and the maximum thickness C of the forward end portion of the sheath tube along the axial direction meet the relational expressions B > A and C/A #¤ 2.5.

IPC 8 full level
F23Q 7/00 (2006.01)

CPC (source: EP)
F23Q 7/001 (2013.01); F23Q 2007/004 (2013.01)

Cited by
EP3358257A1

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