Title (en)

GLOW PLUG

Title (de)

GLÜHKERZE

Title (fr)

BOUGIE DE PRÉCHAUFFAGE

Publication

EP 3299719 B1 20181031 (EN)

Application

EP 17191171 A 20170914

Priority

JP 2016187459 A 20160926

Abstract (en)

[origin: EP3299719A1] [Object] To provide a glow plug including a sheath tube whose resistance to oxidation can be maintained by reducing the occurrence of cracks in a melted portion of the sheath tube when the sheath tube is formed of a specific material. [Solution] A glow plug 10 includes a sheath tube 810 and a heating coil 820. The sheath tube 810 is made of an alloy containing 50% or more by weight of Ni, 18 to 30% by weight of Cr, 1% or less by weight of Al, and 0.01 to 0.3% by weight of at least one component selected from Y and Zr. A main component of the heating coil 820 is tungsten (W) or molybdenum (Mo). A front end portion 822 of the heating coil 820 is embedded in a melted portion 816 of the sheath tube 810 and is not exposed at an outer surface of the sheath tube 810. When a is a maximum value of a length of the melted portion 816 in an axial line direction OD and b is a maximum value of a length of the melted portion 816 in a direction perpendicular to the axial line direction OD, 0.46 #¤ a/b is satisfied.

IPC 8 full level

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CPC (source: EP)

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