Title (en)

GLOW PLUG

Title (de)

GLÜHKERZE

Title (fr)

BOUGIE DE PRÉCHAUFFAGE

Publication

EP 3358257 B1 20191120 (EN)

Application

EP 18151698 A 20180115

Priority

JP 2017018307 A 20170203

Abstract (en)

[origin: EP3358257A1] To provide a glow plug capable of restraining a temperature drop in the event of lowering applied voltage for saturating temperature, while ensuring durability and provision of higher heating-up temperature. A rearward coil connected to the rear end of a forward coil containing W or Mo as a main component has a resistance ratio R1 lower than a resistance ratio R2 of the forward coil, where the resistance ratio R1 is the ratio of the resistance of the rearward coil at 1,000°C to the resistance of the rearward coil at 20°C, and the resistance ratio R2 is the ratio of the resistance of the forward coil at 1,000°C to the resistance of the forward coil at 20°C. A tube has a tube forward portion ranging from the forward end of the tube to a position around the axial center of the forward coil and a tube rearward portion ranging from a position around the rear end of the rearward coil to a position around the forward end of the rearward coil. The wall thickness A of the tube forward portion is 0.5 mm or more; the wall thickness B of the tube rearward portion is 0.3 mm or more; and the minimal wall thickness B1 of the tube rearward portion is smaller than the wall thickness A of the tube forward portion.

IPC 8 full level

F23Q 7/00 (2006.01)

CPC (source: EP)

F23Q 7/001 (2013.01)

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3358257 A1 20180808; **EP 3358257 B1 20191120**; JP 2018124030 A 20180809; JP 6996848 B2 20220117

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