

Title (en)
GLOW PLUG

Title (de)
GLÜHKERZE

Title (fr)
BOUGIE DE PRÉCHAUFFAGE

Publication
EP 3267108 B1 20200506 (EN)

Application
EP 17175520 A 20170612

Priority
• JP 2016132253 A 20160704
• JP 2016208793 A 20161025

Abstract (en)
[origin: EP3267108A1] [Objective] To mitigate force transmitted from a center rod to a ceramic heater. [Means for Solution] Aglow plug includes a metallic shell, a sleeve, a ceramic heater, a center rod, and a packing. The center rod includes one or more neck portions which extend in the direction of the axial line and in which a plurality of grooves each extending on the outer circumferential surface of the center rod in the circumferential direction thereof are successively arranged in the direction of the axial line. The following relational expression is satisfied: $L_b > 19.7 D_a^3 \times L_a$ where L_a is a distance between a first position and a second position in the direction of the axial line, the first position being a position of an axial center of a contact area between the packing and the outer circumferential surface of the center rod, the second position being a position of a rearmost end of a contact area between the ceramic heater and the sleeve; L_b is a distance in the direction of the axial line between the first position and a forward end of a forwardmost neck portion of the one or more neck portions; and D_a is an outer diameter of the ceramic heater at the second position.

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 3267108 A1 20180110; EP 3267108 B1 20200506

DOCDB simple family (application)
EP 17175520 A 20170612