

Title (en)
GLOW PLUG

Title (de)
GLÜHKERZE

Title (fr)
BOUGIE DE PRÉCHAUFFAGE

Publication
EP 3453963 B1 20200513 (EN)

Application
EP 18186376 A 20180730

Priority
JP 2017171078 A 20170906

Abstract (en)
[origin: EP3453963A1] [Objective] To provide a glow plug (10) enabling improvement in rapid temperature rising characteristic. [Means for Solution] The glow plug includes: a tube which has a small-diameter portion (42) and a large-diameter portion (44) having an outer diameter larger than the outer diameter of the small-diameter portion; a coil disposed at least in the small-diameter portion; and insulating powder (60) sealed in the small-diameter portion and the large-diameter portion, wherein a relationship is established where a median diameter of particle diameters of the insulating powder disposed in the small-diameter portion and disposed within a first region (46) is larger than a median diameter of particle diameters of the insulating powder disposed in the large-diameter portion and disposed within a second region (47), the first region being a part in the direction of the axial line of the small-diameter portion and including a maximally heat-generating portion at which the temperature of the surface of the small-diameter portion reaches the maximum temperature, the second region being a part in the direction of the axial line of the large-diameter portion.

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 3453963 A1 20190313; EP 3453963 B1 20200513; JP 2019045109 A 20190322

DOCDB simple family (application)
EP 18186376 A 20180730; JP 2017171078 A 20170906