

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)  
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