

Title (en)
Glow plug

Title (de)
Glühkerze

Title (fr)
Bougie de préchauffage

Publication
EP 2863126 B1 20170426 (EN)

Application
EP 14188920 A 20141015

Priority
• JP 2013214848 A 20131015
• JP 2014206153 A 20141007

Abstract (en)
[origin: EP2863126A1] [Objective] To improve durability of a glow plug having a heat-generating element formed primarily of tungsten (W) or molybdenum (Mo). [Means for Solution] A glow plug includes a tubular member having a tubular shape; a heat-generating element disposed within the tubular member and adapted to generate heat through application of electricity thereto; and a connection portion which connects the tubular member and the heat-generating element and has a fusion zone formed as a result of welding to the heat-generating element. The heat-generating element is formed primarily of tungsten (W) or molybdenum (Mo). That portion of the fusion zone which extends up to at least 20 µm from an interface with the heat-generating element does not contain nickel (Ni).

IPC 8 full level
F23Q 7/00 (2006.01)

CPC (source: EP)
F23Q 7/001 (2013.01); **F23Q 2007/004** (2013.01)

Cited by
EP3299719A1

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 2863126 A1 20150422; EP 2863126 B1 20170426; JP 2015099008 A 20150528; JP 6280853 B2 20180214

DOCDB simple family (application)
EP 14188920 A 20141015; JP 2014206153 A 20141007