

Title (en)
GLOW PLUG

Title (de)
GLÜHKERZE

Title (fr)
BOUGIE INCANDESCENTE

Publication
EP 3285004 A1 20180221 (EN)

Application
EP 16779858 A 20160314

Priority
• JP 2015083780 A 20150415
• JP 2016058027 W 20160314

Abstract (en)
Breakage in a short period is suppressed by improving a heat dissipation property. In a glow plug that includes: a heater element (10) that is inserted in a combustion chamber of an internal combustion engine; a housing (14) that supports the heater element in a state where a heating section of the heater element is projected; a resilient body (31) that couples the heater element and the housing to divide a space between the heater element and the housing into a tip side and a rear end side of the housing; and a pressure sensor (15) that is provided in a space on the rear end side of the resilient body in the housing to detect a pressure in the combustion chamber from displacement of the heater element, a space (142) on the tip side of the resilient body in the housing is filled with a heat transfer material (22) that is melted by heat transferred from the heater element.

IPC 8 full level
F23Q 7/00 (2006.01)

CPC (source: EP US)
F23Q 7/001 (2013.01 - EP US); **F23Q 2007/002** (2013.01 - EP US)

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