

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)

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3285004 A1 20180221**; **EP 3285004 A4 20180328**; JP WO2016167066 A1 20171019; US 2018112873 A1 20180426;  
WO 2016167066 A1 20161020

DOCDB simple family (application)  
**EP 16779858 A 20160314**; JP 2016058027 W 20160314; JP 2017512238 A 20160314; US 201615565839 A 20160314