

Title (en)  
GLOW PLUG WITH PRESSURE SENSOR

Title (de)  
GLÜHKERZE MIT DRUCKSENSOR

Title (fr)  
Bougie de préchauffage à capteur de pression

Publication  
**EP 2905537 A1 20150812 (EN)**

Application  
**EP 15154163 A 20150206**

Priority  
JP 2014021613 A 20140206

Abstract (en)  
A glow plug with a pressure sensor 1 includes an outer cylinder 30 arranged and held inside a metal shell 10. The outer cylinder 30 has inner part 33 arranged inside the metal shell 10 and a projection part 31 projecting from the metal shell 10. A ceramic heater 20 is held by the outer cylinder 30 so as to be displaceable in the axial line direction HJ together with the outer cylinder 30. Further, the outer cylinder inner part 33 of the outer cylinder 30 has a heater holding part 35 for holding the ceramic heater 20 therein. The outer cylinder projection part 31 of the outer cylinder 30 surrounds the ceramic heater 20 provided therein in a loose-fit manner.

IPC 8 full level  
**F23Q 7/00** (2006.01)

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

Citation (applicant)  
WO 2013099226 A1 20130704 - NGK SPARK PLUG CO [JP]

Citation (search report)  
• [I] US 2009165739 A1 20090702 - KERN CHRISTOPH [DE], et al  
• [A] US 2009056660 A1 20090305 - GOTO TSUNETOSHI [JP], et al

Cited by  
WO2017093108A1

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 2905537 A1 20150812; EP 2905537 B1 20180912; JP 2015148386 A 20150820; JP 6263406 B2 20180117**

DOCDB simple family (application)  
**EP 15154163 A 20150206; JP 2014021613 A 20140206**