

Title (en)

CERAMIC HEATER GLOW PLUG AND METHOD FOR MANUFACTURING SAME

Title (de)

GLÜHKERZE FÜR KERAMISCHES HEIZELEMENT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

BOUGIE DE PRÉCHAUFFAGE D'ÉLÉMENT CHAUFFANT EN CÉRAMIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2927590 A4 20160817 (EN)

Application

EP 13858638 A 20130912

Priority

- JP 2012260603 A 20121129
- JP 2013074635 W 20130912

Abstract (en)

[origin: EP2927590A1] To provide a ceramic heater type glow plug that can efficiently supply as little brazing material as possible to a bonded section by preventing the brazing material from entering portions other than a bonded section as much as possible when a ceramic heater and a metal outer cylinder are bonded together by brazing, and a manufacturing method thereof. A method for manufacturing a ceramic heater type glow plug including a ceramic heater and a metal outer cylinder having one end holding the ceramic heater and another end fixed by being inserted into an internal hole of a housing includes the step of forming a first metallization section so as to cover an electrode exposed on an outer peripheral portion in circumferential direction of the ceramic heater and forming a second metallization section for improving surface wettability in a position corresponding to a front end of the metal outer cylinder closer to a front end side than the first metallization section.

IPC 8 full level

F23Q 7/00 (2006.01)

CPC (source: EP)

F23Q 7/001 (2013.01); **F23Q 2007/004** (2013.01)

Citation (search report)

- [Y] WO 2007013497 A1 20070201 - KYOCERA CORP [JP], et al & JP 4751392 B2 20110817 & US 2010006557 A1 20100114 - MARUYAMA TAKAHIRO [JP] & US 2013157075 A1 20130620 - MARUYAMA TAKAHIRO [JP] & EP 1916480 A1 20080430 - KYOCERA CORP [JP] & CN 101228396 A 20080723 - KYOCERA CORP [JP] & KR 20080031314 A 20080408 - KYOCERA CORP [JP] & KR 101016977 B1 20110225
- [Y] JP 2012033340 A 20120216 - KYOCERA CORP
- [A] JP 2005315447 A 20051110 - KYOCERA CORP
- [A] JP 2002270349 A 20020920 - NGK SPARK PLUG CO & EP 1239222 A2 20020911 - NGK SPARK PLUG CO [JP] & DE 60225200 T2 20090326 - NGK SPARK PLUG CO [JP]
- [A] JP H07233944 A 19950905 - NGK SPARK PLUG CO, et al
- See references of WO 2014083913A1

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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

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