

Title (en)
GLOWPLUG, PRODUCTION METHOD THEREOF AND HEATING DEVICE

Title (de)
GLÜHKERZE, HERSTELLUNGSVERFAHREN DAFÜR UND ERHITZUNGSVORRICHTUNG DAMIT

Title (fr)
BOUGIE DE PRÉCHAUFFAGE, PROCÉDÉ DE PRODUCTION ASSOCIÉ ET DISPOSITIF DE CHAUFFAGE

Publication
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Application
EP 11794611 A 20110530

Priority
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Abstract (en)
[origin: WO2011162074A1] The disclosed glowplug (1) is provided with a cylindrical tube (7) that is closed at the tip, a heating coil (9) that is inserted into the tube (7), and a seal (11) that is provided to the open rear end of the tube (7) and seals the tube (7). The heating coil (9) is formed by a metal member that has tungsten (W) or molybdenum (Mo) as the primary component and the tube (7) is formed from an alloy that contains 0.5-5.0 mass% aluminium (Al) and 20-40 mass% chromium (Cr). Due to the tube (7) containing Al and Cr in designated amounts, as well as the tube having high anti-oxidation properties, the oxygen partial pressure within the tube (7) is reduced and the oxidation of the heating coil (9) can be controlled. As a result, the durability of both the heating coil (9) and the tube (7) is increased and high temperature heating over a long period is possible.

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F23Q 7/00 (2006.01)

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Citation (search report)
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