

Title (en)

PENCIL TYPE GLOW PLUG, ESPECIALLY A LOW VOLTAGE PENCIL TYPE GLOW PLUG FOR INTERNAL COMBUSTION ENGINES

Title (de)

GLÜHSTIFTKERZE, INSBESONDERE NIEDERVOLT-GLÜHSTIFTKERZE FÜR VERBRENNUNGSMOTOREN

Title (fr)

BOUGIE DE PRECHAUFFAGE DE TYPE CRAYON, NOTAMMENT BOUGIE DE PRECHAUFFAGE BASSE TENSION POUR MOTEURS A COMBUSTION INTERNE

Publication

**EP 1597520 B1 20101013 (DE)**

Application

**EP 04709576 A 20040210**

Priority

- DE 2004000228 W 20040210
- DE 10306634 A 20030218

Abstract (en)

[origin: DE10306634A1] A pencil-type glow plug protects against destruction through surge voltage. An electrical resistor in a heat conductor is so designed that the heat conductor's resistor rises above the operating temperature so that increased operating voltage causing it is compensated.

IPC 8 full level

**F23Q 7/00** (2006.01)

CPC (source: EP)

**F23Q 7/001** (2013.01)

Citation (examination)

GB 2058216 A 19810408 - BOSCH GMBH ROBERT

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**DE 10306634 A1 20040826**; DE 502004011775 D1 20101125; EP 1597520 A1 20051123; EP 1597520 B1 20101013; JP 2006510869 A 20060330; PL 375869 A1 20051212; WO 2004074742 A1 20040902

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**DE 10306634 A 20030218**; DE 2004000228 W 20040210; DE 502004011775 T 20040210; EP 04709576 A 20040210; JP 2005518158 A 20040210; PL 37586904 A 20040210