

Title (en)

HEATER AND GLOW PLUG PROVIDED WITH SAME

Title (de)

HEIZELEMENT UND GLÜHKERZE DAMIT

Title (fr)

ÉLÉMENT CHAUFFANT ET BOUGIE À INCANDESCENCE LE COMPORTANT

Publication

EP 2704518 A1 20140305 (EN)

Application

EP 12776164 A 20120427

Priority

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- JP 2012061373 W 20120427

Abstract (en)

[Object] To provide a highly-reliable and durable heater in which occurrence of concentration of great stress on an end portion of a junction between a resistor and a lead is suppressed even when a high current flows through the resistor in quick temperature rise or the like, and a glow plug provided with the same. [Solution] A heater (1) includes: a resistor (3) including a heat-generating portion (4); a lead (8) joined to an end portion of the resistor (3); and an insulating base (9) covering the resistor (3) and the lead (8). At a junction between the resistor (3) and the lead (8), the lead (8) has a shape thicker than the resistor (3) and is connected to the resistor (3) such that the end portion of the resistor (3) is inserted into a front end portion of the lead (8), a recess is provided on an end surface of the resistor (3), and a portion of the lead (8) is inserted into the recess.

IPC 8 full level

F23Q 7/00 (2006.01); **H05B 3/12** (2006.01); **H05B 3/14** (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP KR US)

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