

Title (en)

Glow plug for diesel engine and method of manufacturing same

Title (de)

Glühkerze für Dieselmotoren und Verfahren zum Herstellen derselben

Title (fr)

Bougie d'allumage à incandescence pour moteurs diesel et son procédé de fabrication

Publication

EP 1308672 A3 20060830 (EN)

Application

EP 02017728 A 20020808

Priority

JP 2001336796 A 20011101

Abstract (en)

[origin: EP1308672A2] A sufficient area is secured for a seat area 26 which is to be disposed in abutment against a cylinder head when the external diameter of a housing 20 (a fixture for mounting a glow plug on a cylinder head) is reduced while maintaining the internal diameter unchanged. A press fit region 24b is defined in an internal bore 24 of a housing 20 toward the distal end 20a, and a rear portion of a sheath 12 to which a ceramics heater 2 is secured is disposed as a press fit in the press fit region 24b to be secured therein. The sheath 12 has a portion 12b of an increased diameter which is inserted into the housing 20 and a portion 12a of a reduced diameter in which the ceramics heater 2 is contained and which projects externally. The internal bore 24 of the housing 20 has an opening 24e which is of a smaller diameter than the press fit region 24b, increasing the radial breadth of the seat area 26 formed on the front end face of the housing 20.

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

- [X] US 5039839 A 19910813 - MASAKA MITSUSUKE [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 234 (M - 832) 30 May 1989 (1989-05-30)

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EP 1308672 A2 20030507; **EP 1308672 A3 20060830**; **EP 1308672 B1 20071212**; DE 60223985 D1 20080124; DE 60223985 T2 20081204; JP 2003139323 A 20030514; JP 3661632 B2 20050615

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