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(54) **Glow plug**

(57) An improved sealing structure of a glow plug for diesel engines is provided. The glow plug includes a heater assembly which consists of a heater casing, a heating element, and a power supply rod. The heater casing has disposed therein the heating element connecting with the power supply rod and also has formed on a periphery thereof a press fit wall press-fitted into a hollow housing in tight engagement with an inner peripheral wall of the hollow housing. An uneven surface is formed on one of the press fit wall of the heater casing and the inner peripheral wall of the hollow housing. The uneven surface is patterned with lines such as fine grooves or ridges oriented at an angle relative to a longitudinal center line of the glow plug for forming barriers when the press fit wall is forced into the hollow housing which establish airtight seals between the heater casing and the hollow housing.

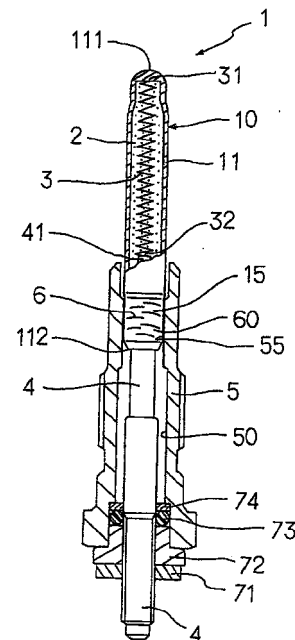


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			F23Q
Place of search	Date of completion of the search	Examiner	
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CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		& : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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22-02-2001

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