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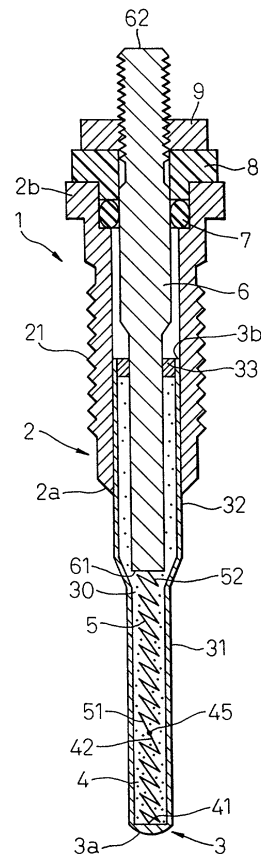
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(54) **Glow plug and method for producing same**

(57) In a glow plug 1, a resistor 4, 5 wound in a spiral shape is inserted into a hollow heater tube 3 while the winding axis M coincides with a longitudinal axis of the heater tube, and is held therein via an insulating powder 30, wherein the resistor 4, 5 is energized with a current to generate heat. A first point t1 and a second point t2 are determined on the resistor 4, 5 so that a spiral pitch P is defined between the both. A third point t3 is defined at a position on the resistor 4, 5 between the first point t1 and the second point t2 so that the third point t3 is distant from the first point t1 and near the second point t2 at half a length of the resistor 4, 5 between the first point t1 and the second point t2 along the resistor. The resistor 4, 5 is tilted relative to the winding axis M so that a distance Q between the third point t3 and the first point t1 measured in the direction of the winding axis M is 0.75 times the spiral pitch P or more wherein the distance Q is the maximum value relative to the spiral pitch (P) as the tube turns 180 degrees on the winding axis M.

Fig.1





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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 0503

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 602 745 A (B 80 SRL) 22 June 1994 (1994-06-22) * abstract *	1	F23Q7/00 F23Q7/00
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) F23Q
Place of search The Hague		Date of completion of the search 11 January 2005	Examiner Vanheusden, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 00 11 0503

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82