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(11) **EP 0 657 698 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
28.08.1996 Bulletin 1996/35

(51) Int Cl.⁶: **F23Q 7/00**

(43) Date of publication A2:
14.06.1995 Bulletin 1995/24

(21) Application number: **94308900.3**

(22) Date of filing: **30.11.1994**

(84) Designated Contracting States:
DE FR GB

(30) Priority: **13.12.1993 JP 341194/93**

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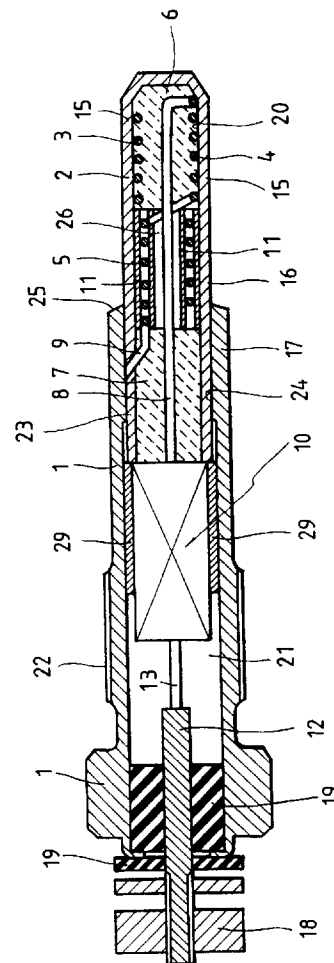
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(54) **Current self-control type glow plug**

(57) A current self-control type glow plug includes a ceramic pipe 2 attached to a hollow body 1 having a connector 12, and a front end portion 15 and a body-side end portion 17 of the pipe 2 are filled with ceramic fillers 6, 7. The coil 3 comprises the heating coil part 4 and the control coil part 5. The heating coil part 4 constituting a heating part is arranged in contact with the inner wall surface 20 of the pipe 2. The control coil part 5 constituting a current control part is arranged out of contact with the inner wall surface 20 of the pipe 2. The current control means 10 having a positive resistance-temperature coefficient is connected to the coil 3 and the connector 12. The resistance of the current control means 10 sharply increases above a specified temperature to cut off the current supply to the coil 3.

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 8900

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.6)
A	US-A-4 725 711 (JIDOSHA KIKI CO LTD) * column 6, line 21 - line 65 * * column 10, line 25 - line 56; figures * ---	1,2,5	F23Q7/00
A	DE-A-41 33 046 (NGK SPARK PLUG) * the whole document * ---	1,2	
A	DE-A-40 28 859 (JIDOSCHA KIKI CO LTD) ---		
A	PATENT ABSTRACTS OF JAPAN vol. 11, no. 191 (M-600), 19 June 1987 & JP-A-62 017521 (NGK SPARK PLUG CO LTD), 26 January 1987, * abstract * -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F23Q H05B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 June 1996	Examiner Vanheusden, J
CATEGORY OF CITED DOCUMENTS 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 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			

EPO FORM 1500 03.82 (P6/C01)