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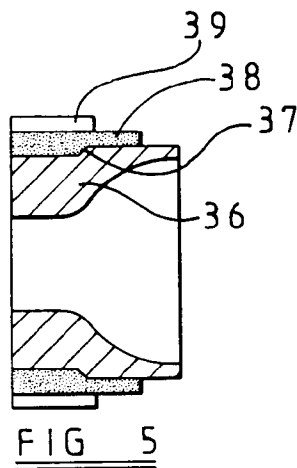
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(54) Nozzle structure for rotary drill bits

(57) A nozzle structure for use in a rotary drill bit comprises an inner portion (36) which is formed with a passage through which, in use, drilling fluid may pass, and an outer portion (38) formed with an external screw thread (39) whereby the nozzle structure may be screwed into a corresponding internally screw threaded

socket in a drill bit. At least the screw threaded outer portion (38) of the nozzle structure is formed from solid infiltrated matrix material so as to be resistant to erosion and damage. The inner and outer portions may be separate, integral or secured together.



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EUROPEAN SEARCH REPORT

Application Number
EP 95 30 0879

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-4 567 954 (VOIGHT) * abstract * * column 3, line 40 - line 53 * * column 1, line 47 - line 68 * ---	1,11	E21B10/60 E21B10/62 B05B15/06 B22F5/06 B22F3/26
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A	EP-A-0 012 966 (GENERAL ELECTRIC COMPANY) ---		
A	US-A-4 564 324 (DOWEL) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6) E21B B05B F16B B22F
Place of search THE HAGUE		Date of completion of the search 12 April 1996	Examiner Sogno, M
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			

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