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(54) **Drilling bit.**

(57) In a diamond impregnated bit scourer particles in the form of silicon carbide are added to the matrix. The mesh size of the silicon carbide is less than that of diamond and the concentration preferably about 40, if the diamond concentration is 40.



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. ³)
X	US-A-3 757 878 (WILDER) * Column 1, lines 12-20,31-33; column 2, lines 57-59; column 7, line 67 - column 8, line 8; col- umn 8, lines 23-35; column 9, lines 27-30 *	1-3	E 21 B 10/46 B 24 D 3/00 B 24 D 3/34
X	--- NL-C- 52 174 (N.V. WALLRAMIT HARDMETAAL MIJ) * Page 2, lines 10-21; page 2, lines 40-43,101-103 *	1-3	
Y	--- US-A-4 290 498 (TRIPLETT) * Column 3, lines 41-59 *	1,3	
Y	--- US-A-3 175 260 (BRIDWELL) * Column 4, lines 10-30; claim 10 *	1,2	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A	--- DE-C- 853 582 (WALLRAM HARTMETALLWERK) * Page 2, lines 39-64 *	1-3	E 21 B B 24 D
A	--- US-A-3 736 995 (SALTER) * Column 2, line 39 - column 3, line 8; column 3, lines 32-46 *	1	
A	--- US-A-2 883 520 (OWEN) * Column 2, lines 63-71; column 4, lines 22-27 *	1	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17-02-1984	Examiner SOGNO M.G.
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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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	US-A-2 381 415 (WILLIAMS) * Page 1, right-hand column, lines 5-15; page 2, right-hand column, lines 7-10 *	1	
A	--- US-A-3 885 637 (VEPRINTSEV) * Whole document * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
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