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54 **Drill bit with improved steerability.**

57 A drill bit offering improved steerability. Drill bits include gage sections which are adapted to facilitate deflection of the bits within a borehole to facilitate navigational or directional drilling. The gage portions of the bit may be arranged in an arcuate path around a portion of the periphery of the bit. Also, the bit portions may be spaced and adapted to serve, at least in part, as fulcrums, to facilitate deflection of the bit and the bringing of gage cutting portions of the bit in contact with the sidewalls of the borehole.



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.4)
X	US-A-2 553 701 (COMSTOCK) * Column 4, lines 35-52 *	1-4,6, 13-15	E 21 B 10/46
Y		5	E 21 B 7/06
A		7-12	E 21 B 17/10
Y	US-A-4 176 723 (ARCENEUX) * Figures *	5	
A		12	
A	US-A-3 367 430 (ROWLEY) * Claim 1 *	6,9	
A	US-A-3 318 400 (HILDEBRANDT) * Claim 1 *	1,7,10, 13	
A	US-A-3 978 933 (OLSON et al.) * Abstract *	6,9	
A	US-A-3 833 077 (LAVALLEE) * Abstract *	6,9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			E 21 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-11-1989	Examiner HEDEMANN, G. A.
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			