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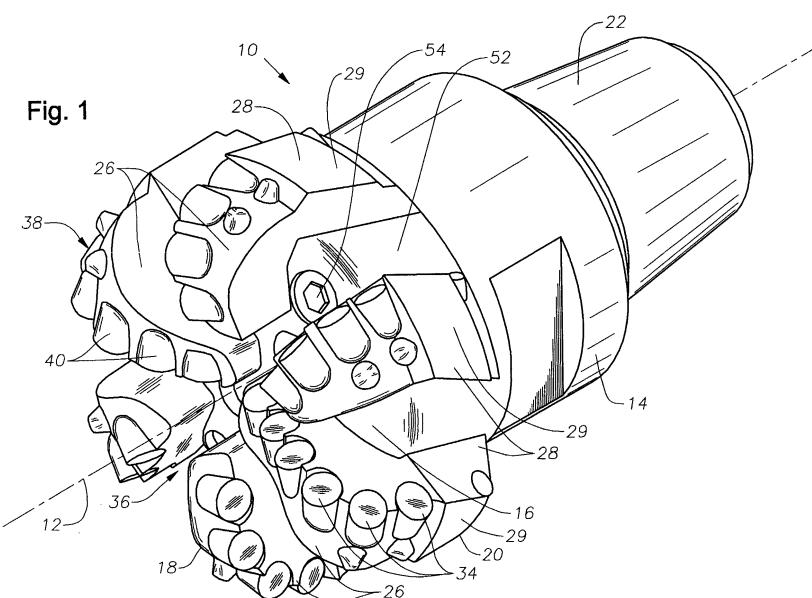
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### (54) Cutting structure for drill bit

(57) A drill bit for drilling a borehole having a bit body with an axis of rotation, a leading face, and a plurality of blades upstanding from the leading face. At least one of the blades terminates in a gauge pad having a gauge surface arranged, in use, to face a wall of the borehole. The gauge surface being devoid of cutting elements and terminating at an end remote from the blade at a junction with a gauge pad end wall. The gauge pad carries a cut-

ter having a face and a cutting edge located radially inward of the gauge surface, and the junction of the gauge surface and the gauge pad end wall crosses, radially, between the face of the cutter and the wall of the borehole. The gauge surface may be a substantially continuous surface, and may have at least one additional cutter located angularly between two adjacent blades of the drill bit.

Fig. 1





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## EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 7913

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A	EP 0 872 625 A (CAMCO INT UK LTD) 21 October 1998 (1998-10-21) * page 6, column 10, line 49-54 * * figure 10 *	1,10,13, 16,19,27	
A	US 4 941 538 A (KING WILLIAM W) 17 July 1990 (1990-07-17) * figure 9 *	1,10,13, 16,19,27	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E21B
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search		Examiner
THE HAGUE	27 January 2003		Schouten, 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			
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ANNEX TO THE EUROPEAN SEARCH REPORT  
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