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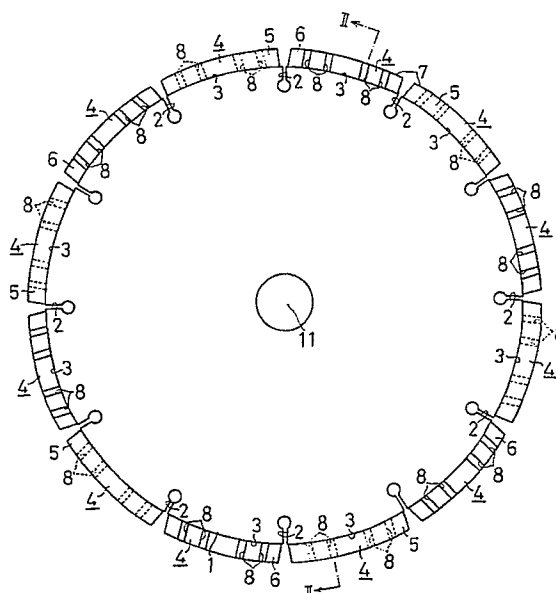
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(57) A rotary cutting blade having an improved cutting tooth structure is provided. A plurality of abrasive impregnated cutting teeth (4) are secured to the circumferential surface of a blade body. Each cutting tooth (4) has a substantially arcuate outer peripheral surface (7) with a leading cutting edge. A first side surface (5) of each tooth is substantially flat while an opposing second side surface (6) has a plurality of grooves (8) cut into the tooth. The grooves (8) are arranged to intersect the tooth's peripheral surface. Thus, the grooves (8) cooperate with the leading edge to provide a plurality of cutting surfaces on each tooth. The teeth are then arranged successively along the circumferential surface of the blade such that their respective grooved surfaces alternately face in opposing directions.

Fig. 1

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EUROPEAN SEARCH REPORT

Application Number

EP 90 11 6622

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.5)
X	EP-A-0 229 404 (H.S. VEGLIO S.r.l.) * Column 2, lines 22-43; figures 1-5 *	1-7,9	B 28 D 1/12 // B 24 D 5/12
Y	---	8	
Y	EP-A-0 185 136 (I. SHIGA) * Page 3, lines 9-17; figures 1,2 *	8	
A	---	1-7,9	
D,A	US-A-4 461 268 (J. INOUE) * Column 2, lines 53-59; figures 5,6 *	1-9	
A	GB-A-5 808 67 (IMPREGNATED DIAMOND PRODUCTS LTD et al.) * Page 1, lines 43-57; figures 1-4 *	1-4,7-9	
A	PATENT ABSTRACTS OF JAPAN, vol. 12, no. 160 (M-697)[3007], 14th May 1988; & JP-A-62 277 270 (OSAKA DAIYAMONDO KOGYO K.K.) 02-12-1987 * The whole document *	1-3,5-7	

The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 28 D B 24 D
Place of search		Date of completion of search	Examiner
The Hague		17 September 91	LILIMPAKIS E.
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			