



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
16.10.2002 Bulletin 2002/42

(51) Int Cl.7: **B24D 5/12, B24D 18/00**

(43) Date of publication A2:
07.02.2001 Bulletin 2001/06

(21) Application number: **00306275.9**

(22) Date of filing: **24.07.2000**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
 • **Halbeisen, Mario, c/o Marcris Holdings Limited**
Doncaster DN3 1QR (GB)
 • **Brown, Michael John William, c/o Marcris Hold.**
Ltd.
Doncaster DN3 1QR (GB)

(30) Priority: **05.08.1999 GB 9918357**

(74) Representative: **Loven, Keith James et al**
Loven & Co
Quantum House
30 Tentercroft Street
Lincoln LN5 7DB (GB)

(71) Applicant: **Marcris International Limited**
Doncaster DN3 1QR (GB)

(54) **Rotary abrasive cutting disc**

(57) A method of making a rotary cutting disc comprises forming a metal support member (1), shaping at least one compacted body (4) of powdered material containing abrasive particles so as to enclose at least a portion of the periphery of the support member, and heating

the body or bodies to sinter the powdered material and bond the or each body to the periphery of the support member, and then locally applying heat to at least a portion of the external junction between the or each body and the support member to form a weld (6).

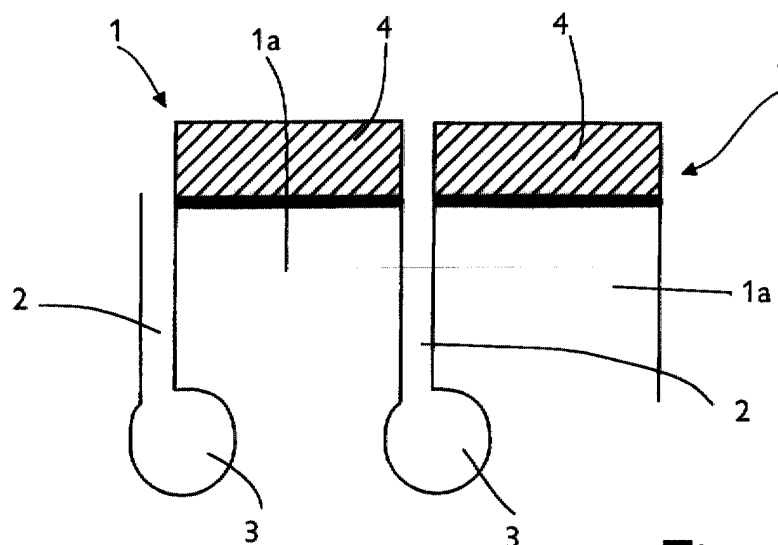


Fig 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 6275

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.7)
X	DE 196 53 975 A (SUETA KIMIKO) 30 October 1997 (1997-10-30) * column 2, line 11 - line 30 * * column 3, line 37 - line 40 * ---	1-7, 9, 11-14	B24D5/12 B24D18/00
A	DE 197 12 448 A (DIAMIK DIAMANT WERKZEUGE GMBH) 10 September 1998 (1998-09-10) * column 2, line 12 * -----	8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B24D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		27 August 2002	Eschbach, D
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

EPO FORM 1503 03 02 (P44001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 6275

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-08-2002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19653975 A	30-10-1997	JP 9047970 A	18-02-1997
		DE 19653975 A1	30-10-1997
		US 5871005 A	16-02-1999
DE 19712448 A	10-09-1998	DE 19712448 A1	10-09-1998