

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 865 876 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
15.03.2000 Bulletin 2000/11

(51) Int Cl.7: **B24D 3/08**, B24D 17/00,
B24B 7/28, B27B 33/02,
B27G 15/00

(43) Date of publication A2:
23.09.1998 Bulletin 1998/39

(21) Application number: **98301942.3**

(22) Date of filing: **16.03.1998**

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

(30) Priority: **17.03.1997 ZA 9702281**

(71) Applicant: **DE BEERS
INDUSTRIAL DIAMOND DIVISION
(PROPRIETARY) LIMITED
Johannesburg (ZA)**

(72) Inventors:
• **Tank, Klaus
Essexwold, Johannesburg (ZA)**
• **Fries, Robert
Essexwold, Johannesburg (ZA)**
• **Eckert, Jurgen Dietrich
Berario, Johannesburg (ZA)**

(74) Representative: **Jones, Alan John et al
CARPMAELS & RANSFORD
43 Bloomsbury Square
London, WC1A 2RA (GB)**

(54) **Abrading method**

(57) A diamond abrasive compact is used for abrading a workpiece in a corrosive environment. The invention has particular application to abrading wood prod-

ucts which contain resins or organic binders. The diamond abrasive compact is characterised by a second phase which comprises chromium and nickel.

EP 0 865 876 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 30 1942

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.6)
Y	EP 0 583 916 A (DE BEERS IND DIAMOND) 23 February 1994 (1994-02-23) * page 3, line 30 - line 37; claims 15-17 *	1-8	B24D3/08 B24D17/00 B24B7/28 B27B33/02 B27G15/00
Y,D	EP 0 198 653 A (DE BEERS IND DIAMOND) 22 October 1986 (1986-10-22) * page 1, line 5 - line 7 * * page 4, line 25 - line 27 * * page 7, line 3 - line 4; claims 1,2 * -----	1-8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B24D B24B B27B B27G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 January 2000	Examiner Petrucchi, L
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			

EPO FORM 1503 03/82 (P04C01)

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

EP 98 30 1942

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.

21-01-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0583916 A	23-02-1994	AT 133888 T	15-02-1996
		AU 4440593 A	10-02-1994
		CA 2101890 A	06-02-1994
		DE 69301512 D	21-03-1996
		DE 69301512 T	11-07-1996
		JP 6182631 A	05-07-1994
		US 5453105 A	26-09-1995
		ZA 9305524 A	24-02-1994
EP 0198653 A	22-10-1986	AT 65726 T	15-08-1991
		DE 3680566 A	05-09-1991
		IE 58796 B	17-11-1993
		JP 61293769 A	24-12-1986