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EUROPEAN PATENT APPLICATION

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⑦¹ Applicant: **DE BEERS INDUSTRIAL DIAMOND DIVISION**
(PROPRIETARY) LIMITED, 8th Floor 45 Main Street,
Johannesburg Transvaal (ZA)

⑦² Inventor: **Phaal, Cornelius, 34 Rutland Avenue, Craighall**
Park Johannesburg Transvaal (ZA)
Inventor: **Dodsworth, John, 16 Groot Constantia, Oribi**
Street, Constantia Kloof, Florida Transvaal (ZA)

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

⑤⁴ **Cubic boron nitride abrasive bodies.**

⑤⁷ A tool insert comprises an abrasive compact comprising a polycrystalline mass of cubic boron nitride particles present in an amount of at least 70 percent by volume and containing substantial direct particle-to-particle bonding and a second phase dispersed through the cubic boron nitride particle mass. The abrasive compact presents major surfaces on each of opposite sides thereof. The one major surface provides a cutting point for the insert and the other major surface has bonded thereto a layer of molybdenum of thickness less than 0,5 mm. The largest linear dimension of the compact is no more than 10 mm. The tool insert is designed for applications where a high removal rate of work piece is desired.

EP 0 220 964 A3



European Patent
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EUROPEAN SEARCH REPORT

0220964

Application number

EP 86 30 8445

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)
Y	FR-A-2 285 213 (DE BEERS INDUSTRIAL DIAMOND DIVISION LTD) * Claims 1,2; page 2, lines 12-15; figure 1 *	1,2,5	B 24 D 3/00
A	---	4	
P,Y	CHEMICAL ABSTRACTS, vol. 104, no. 20, 19th May 1986, page 269, abstract no. 172825e, Columbus, Ohio, US; & JP-A-60 263 602 (SUMITOMO ELECTRIC INDUSTRIES, LTD) 27-12-85	1,2,5	
A	Idem	4	
Y	EP-A-0 101 259 (DE BEERS INDUSTRIAL DIAMOND DIVISION LTD) * Claims 1,3,10 *	1,2,5	TECHNICAL FIELDS SEARCHED (Int. Cl.4) B 24 D
A	US-A-4 401 443 (LEE et al.) * Abstract *	3	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-09-1987	Examiner ASHLEY G.W.
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			