

Title (en)

Abrasive cutting element and process to manufacture such an element.

Title (de)

Schleif-Schneidelement und Verfahren zur Herstellung eines solchen Elements.

Title (fr)

Élément de coupe abrasif et procédé de fabrication d'un tel élément.

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Application

EP 91401436 A 19910603

Priority

FR 9007248 A 19900611

Abstract (en)

The cutting element (16) is shaped by powder metallurgy and contains particles of abrasive product. According to the invention, the particles of abrasive product comprise thermostable grains of polycrystalline cubic boron nitride. The cutting element (16) can be mounted on a sawing (18) or drilling tool and is used more particularly for the machining of a material containing metallic reinforcing elements in a hard matrix. <IMAGE>

IPC 1-7

B23D 61/18; **B24D 5/12**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] FR 2184049 A1 19731221 - GEN ELECTRIC [US]
- [A] EP 0163843 A2 19851211 - WINTER & SOHN ERNST [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 11, no. 114 (M-579)(2561) 10 avril 1987, & JP-A-61 257777 (OSAKA DAIYAMONDO KOGYO K.K.) 15 novembre 1986,
- [X] PATENT ABSTRACTS OF JAPAN vol. 9, no. 25 (M-355)(1748) 02 février 1985, & JP-A-59 169765 (MATSUSHITA DENKI SANGYO K.K.) 25 septembre 1984,

Cited by

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