

Title (en)

CUTTING SEGMENT FOR CUTTING TOOL AND CUTTING TOOLS

Title (de)

SCHNEIDSEGMENT FÜR SCHNEIDWERKZEUG UND SCHNEIDWERKZEUGE

Title (fr)

SEGMENT DE DECOUPE UTILE POUR OUTIL COUPANT ET OUTILS COUPANTS CORRESPONDANTS

Publication

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Application

**EP 06757496 A 20060419**

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Abstract (en)

[origin: WO2006112654A1] The invention provides a cutting segment for a cutting tool for cutting or drilling a brittle work piece such as stone, bricks, concrete and asphalt, and a cutting tool having the cutting segment. The cutting segment includes a cutting surface for cutting a work piece and a plurality of abrasive particle layers. The abrasive particle layers are disposed perpendicular to a cutting direction. Each of the abrasive layers has a plurality of abrasive particle rows in a width direction of the cutting segment. Each of the abrasive rows has a plurality of abrasive particles arranged in a line. Further, the abrasive layers have a plurality of blank sections therebetween. In the blank sections, abrasive particles are absent or have a concentration of 70% or less with respect to those in the abrasive rows. In addition, the blank sections include relatively thick blank sections and relatively thin blank sections.

IPC 8 full level

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Citation (search report)

- [XII] US 3127715 A 19640407 - CHRISTENSEN FRANK L
- [XA] KR 19990011778 A 19990218 - EHWA DIAMOND IND CO LTD [KR]
- [XA] US 2004112359 A1 20040617 - SUNG CHIEN-MIN [TW]
- See references of WO 2006112654A1

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