

Title (en)

CUTTING INSERT WITH CUTTING TIPS ANCHOR PORTIONS.

Title (de)

SCHNEIDEEINSATZ MIT ANKERTEILEN FÜR SCHNEIDESPITZEN

Title (fr)

PIECE DE COUPE COMPORTANT DES POINTES DE COUPE ET DES PARTIES D'ANCRAGE

Publication

**EP 1819469 A4 20100728 (EN)**

Application

**EP 05815612 A 20051201**

Priority

- SE 2005001816 W 20051201
- US 266404 A 20041203

Abstract (en)

[origin: US2005183893A1] A method of making a cutting insert includes: (i) forming a blank having a substrate and superhard material, the substrate having more than 4 pockets, the superhard material disposed within the pockets; (ii) removing cutting tips from the blank by cutting the blank along cutting lines; (iii) providing a cutting insert body having a plurality of cavities for receiving a corresponding number of cutting tips; (iv) inserting a cutting tip into each of the plurality of cavities; and (v) brazing the cutting tips to the cutting insert body. A related cutting insert includes: a cutting insert body having a plurality of cavities formed therein; a plurality of cutting tips, each of the plurality of cutting tips disposed in a respective cavity, the cutting tips having a geometry that provides a mechanical retention or lock when inserted into the cavities of the cutting insert body, said geometry including a generally trapezoidal anchor portion with its base substantially flat and spaced away from the cutting edge of the body, the cutting tips further being brazed in the cutting insert body.

IPC 8 full level

**B23B 27/18** (2006.01); **B22F 7/06** (2006.01); **B23B 27/00** (2006.01); **B23B 27/04** (2006.01); **B23B 27/14** (2006.01); **B23B 51/00** (2006.01); **B23C 5/18** (2006.01); **B23P 15/28** (2006.01); **E21B 10/36** (2006.01); **E21B 10/56** (2006.01); **E21B 10/573** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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- [A] DE 19506944 A1 19950831 - MITSUBISHI MATERIALS CORP [JP]
- [A] FR 2691657 A1 19931203 - M2P MAT PRECISION PRODUCTION [FR], et al
- See references of WO 2006059949A1

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