

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 A1 20070822 (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

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