

Title (en)
INDEXABLE CUTTING INSERTS AND METHODS FOR PRODUCING THE SAME

Title (de)
SCHALTBARE SCHNEIDEINSÄTZE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PLAQUETTES DE COUPE AMOVIBLES ET LEURS PROCEDES DE FABRICATION

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Application
EP 05779782 A 20050811

Priority
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• 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.

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