

Title (en)
NEW CUTTING PICK

Title (de)
NEUER SCHNEIDMEISSEL

Title (fr)
NOUVEAU PIC DE COUPE

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Application
EP 17857782 A 20170707

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Abstract (en)
The present invention discloses a new cutting pick, comprising a body, a cutting tooth and a circular frustum peg provided on the body; wherein the cutting tooth is a polycrystalline diamond composite tooth and consists of a polycrystalline diamond composite layer and a hard alloy base seat; the body of the cutting pick comprises a body upper portion and a body lower portion, the body upper portion is provided therein with a hollow structure which is embedded with the cutting tooth part as well as the circular frustum peg; the body upper portion is provided at its top with a cone hole; the hard alloy base seat of the cutting tooth, the circular frustum peg, and the cone hole provided at the top of the body upper portion are connected together by interference fit. With the above solution(s) of the present invention, the effect(s) of welding or hot-pressing on the polycrystalline diamond cutting teeth can be avoided, the impact resistance and the wear resistance of the diamond composite teeth can be significantly improved, and the service life of the cutting pick can be significantly prolonged.

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