

Title (en)
Improvements in or relating to cutting elements for rotary drill bits.

Title (de)
Schneideinsätze für Bohrkronen.

Title (fr)
Éléments de coupe pour trépan.

Publication
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Application
EP 92310836 A 19921126

Priority
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Abstract (en)
A preform cutting element for a rotary drill bit includes a cutting table (18) of polycrystalline diamond material having a front cutting face, a peripheral surface, and a rear face bonded to a substrate of cemented tungsten carbide. The cutting table includes an outer peripheral portion (20), defining at least a part of the peripheral surface, which is formed of a first form of diamond, for example of larger grain size, which is of greater impact resistance than a second form of diamond forming other portions (19) of the cutting table. This protects the cutting edge of the cutting element against impact damage in use, particularly before a significant wear flat has formed. <IMAGE>

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E21B 10/56

IPC 8 full level
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CPC (source: EP)
E21B 10/52 (2013.01); **E21B 10/5676** (2013.01)

Citation (search report)
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