

Title (en)  
Preform cutting elements for rotary drill bits

Title (de)  
Vorgeformte Elemente für Drehbohrmeissel

Title (fr)  
Eléments préformés pour trépans de forage rotatif

Publication  
**EP 1052367 A3 20001227 (EN)**

Application  
**EP 00303645 A 20000428**

Priority  
GB 9911139 A 19990514

Abstract (en)  
[origin: EP1052367A2] A preform cutting element, for a rotary drag-type drill bit, includes a facing table 10 of superhard material having a front face and a rear surface bonded to the front surface of a substrate 12 which is less hard than the superhard material, the cutting element having a peripheral surface which includes at least one cutting apex 18 defined between two adjacent regions of the peripheral surface which are disposed at an angle to one another, and the rear surface of the facing table 10 being formed with at least one protuberance 20 which projects into a correspondingly shaped recess in the substrate 12. <IMAGE>

IPC 1-7  
**E21B 10/56**

IPC 8 full level  
**E21B 10/56** (2006.01); **E21B 10/567** (2006.01); **E21B 10/573** (2006.01)

CPC (source: EP US)  
**E21B 10/5673** (2013.01 - EP US); **E21B 10/5735** (2013.01 - EP)

Citation (search report)  
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US9744646B2; US10012030B2; US9903163B2; USD924949S; USD947910S; WO2023129779A1

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