

Title (en)

Improvements in or relating to elements faced with superhard material

Title (de)

Verbesserungen an Schneidelementen mit einer Oberfläche aus superhartem Werkstoff

Title (fr)

Amélioration des éléments de coupe avec une surface en matériaux extra-dur

Publication

EP 0893572 A1 19990127 (EN)

Application

EP 98305510 A 19980710

Priority

- GB 9715771 A 19970726
- GB 9811560 A 19980601

Abstract (en)

A preform element, such as a preform cutting element for a rotary drag-type drill bit, includes a facing table (10) of polycrystalline diamond having a front face (15), a peripheral surface, and a rear surface (11) bonded to the front surface of a tungsten carbide substrate (12). The front surface of the substrate is formed with a plurality of recesses (13, 17) into which extend corresponding projections (18, 19) formed on the rear surface of the facing table. The recesses include at least one rebate (13) which extends around only a part of the periphery of the substrate (12) and into which extends a projection (18) on the facing table which provides a part of the peripheral surface of the facing table (10). <IMAGE>

IPC 1-7

E21B 10/56

IPC 8 full level

E21B 10/56 (2006.01); **E21B 10/573** (2006.01)

CPC (source: EP)

E21B 10/5735 (2013.01)

Citation (applicant)

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Citation (search report)

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- [A] EP 0638383 A1 19950215 - GEN ELECTRIC [US]
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