

Title (en)
Preform cutting element

Title (de)
Vorgeformtes Schneidelement

Title (fr)
Élément de coupe préformé

Publication
EP 0955446 A2 19991110 (EN)

Application
EP 99303483 A 19990504

Priority
GB 9809690 A 19980508

Abstract (en)
A preform cutting element, for use in a drag-type drill bit, includes a facing table (10) of polycrystalline diamond having a front face (12), a peripheral surface (13), and a rear surface (14) bonded to the front face of a tungsten carbide substrate (11). The rear face (14) of the diamond facing table is integrally formed with a single protuberance (19), adjacent the periphery of the element, which extends into a correspondingly shaped recess in the substrate (11). <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)
E21B 10/5676 (2013.01); **E21B 10/5735** (2013.01)

Citation (applicant)
• US 5120327 A 19920609 - DENNIS MAHLON D [US]
• US 4784023 A 19881115 - DENNIS MAHLON D [US]
• GB 2283772 A 19950517 - CAMCO DRILLING GROUP LTD [GB]
• GB 2283773 A 19950517 - CAMCO DRILLING GROUP LTD [GB]
• GB 2290326 A 19951220 - CAMCO DRILLING GROUP LTD [GB]
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• GB 2300016 A 19961023 - CAMCO DRILLING GROUP LTD [GB]
• GB 2305449 A 19970409 - CAMCO DRILLING GROUP LTD [GB]

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