

Title (en)
INTEGRAL DRILLING TOOL BIT

Title (de)
SCHNEIDEINSATZ EINES MONOBLOCKBOHRWERKZEUGES

Title (fr)
TAILLANT D'OUTIL DE FORAGE MONOBLOC

Publication
EP 0776409 A1 19970604 (FR)

Application
EP 96922074 A 19960607

Priority
• FR 9600861 W 19960607
• FR 9507240 A 19950616

Abstract (en)
[origin: FR2735522A1] An integral tool bit for drilling a rock formation, including a cemented metal carbide holder (30) attached to the tool and joined, e.g. soldered, to a plate (34) in the form of a cylindrical disc made from polycrystalline diamond particles and having a side wall (40) and a substantially flat free surface (36), said plate (34) being positioned so that the plane of its free flat surface (36) is at an acute angle (α) to the line (N) normal to the surface (25) of the rock formation, and said angle being directed in the same direction as the forward direction (F) of the drill bit so that the plate engages the rock formation with its side wall (40).

IPC 1-7
E21B 10/56

IPC 8 full level
E21B 10/46 (2006.01); **E21B 10/56** (2006.01); **E21B 10/567** (2006.01); **E21B 10/573** (2006.01)

CPC (source: EP US)
E21B 10/567 (2013.01 - EP US); **E21B 10/573** (2013.01 - EP US)

Citation (search report)
See references of WO 9700372A1

Designated contracting state (EPC)
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