

Title (en)
Tubular saw

Title (de)
Hohlbohrkrone mit einem hohlzylindrischen Trägerkörper

Title (fr)
Scie tubulaire

Publication
EP 0706870 A1 19960417 (DE)

Application
EP 95810465 A 19950714

Priority
DE 4436915 A 19941015

Abstract (en)
The hollow body (1) contains recesses (1c) in its forward end open in the drilling direction in which cutters (2) are inserted, these protruding in the axial direction and also beyond the body surface on the inside and outside. The body has portions (1d) of increased cross-section (1d) adjacent to the cutter recesses. The cutter recesses can protrude beyond the body wall at the inside and/or outside. The wall thickness (Q) at these points can be between 1.2 and 1.8 times that of the remainder, while their length (U) either side of the recesses can be between 0.3 and 1 times that (B) of the recesses. At the base of each recess, the thickened portion can extend away from the working direction for a distance (G) equal to between 0.5 and 1.4 times the width (B).

Abstract (de)
Die Hohlbohrkrone besteht aus einem hohlzylindrischen Trägerkörper (1) mit Schneidkörpern (2). Die Schneidkörper (2) sind in Aussparungen (1c) derart gelagert, dass die Innen- und Aussenkontur sowie die bohrrichtungsseitige Stirnseite des Trägerkörpers (1) überragt wird. Im Umgebungsbereich der Aussparungen (1c) weist der Trägerkörper (1) Querschnittsverstärkungen (1d) auf, so dass ausreichend grosse Verbindungsflächen für die Schneidkörper (2) zur Verfügung stehen. <IMAGE>

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B28D 1/04

IPC 8 full level
B23B 51/04 (2006.01); **B28D 1/04** (2006.01); **B28D 1/14** (2006.01)

CPC (source: EP KR US)
B28D 1/041 (2013.01 - EP US); **B28D 1/14** (2013.01 - KR); **Y10S 408/703** (2013.01 - EP US); **Y10T 408/895** (2015.01 - EP US)

Citation (applicant)
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