

Title (en)

Cutter tool tip inserts.

Title (de)

Spitzeneinsatz für Schneidwerkzeuge.

Title (fr)

Partie rapportée pour pointe d'outil de coupe.

Publication

EP 0283605 A1 19880928 (EN)

Application

EP 87302504 A 19870324

Priority

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Abstract (en)

A tip insert (4) for a cutter tool (1) comprises a body (10) of a wear-resistant material (e.g. cemented tungsten carbide) and a disc-like cutting member (11) of a more wear-resistant material (e.g. polycrystalline diamond, conveniently in the form of a layer bonded to a cemented tungsten carbide substrate) secured to the body, the disc-like cutting member having at one part of its periphery its edge shaped to form a flat face (16), so as to provide, with one of its major faces (14), two flat faces (14, 16) disposed in intersecting planes, and the disc-like cutting member (11) being bonded via these two flat faces to complementary plane faces (12, 13) on the body, and the disc-like cutting member having exposed, cutting faces (15) at that part of its periphery opposite to the bonded faces.

IPC 1-7

E21C 35/18

IPC 8 full level

B28D 1/18 (2006.01); **E21B 10/56** (2006.01); **E21B 10/567** (2006.01)

CPC (source: EP US)

B28D 1/188 (2013.01 - EP); **E21B 10/567** (2013.01 - EP US)

Citation (search report)

- [X] EP 0103391 A2 19840321 - HUDDY DIAMOND CROWN SETTING CO [ZA]
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- [A] EP 0104893 A2 19840404 - DE BEERS IND DIAMOND [ZA]
- [A] GB 2170843 A 19860813 - DE BEERS IND DIAMOND
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CN104797362A; CN105735985A; US10408057B1; WO2014049010A3; US9593577B2; BE1014066A3

Designated contracting state (EPC)

DE FR

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