

Title (en)

Cutting insert for an abrasive tool and method of mounting

Title (de)

Schneideinsatz für ein Schleifwerkzeug und Verfahren zur Montage

Title (fr)

Élément de coupe rapporté pour un outil abrasif et procédé de montage

Publication

EP 0581534 B1 19970326 (EN)

Application

EP 93305796 A 19930722

Priority

ZA 925550 A 19920723

Abstract (en)

[origin: EP0581534A1] The invention concerns a method of mounting a cutting insert (22), such as a studcutter, in the working face (12) of an abrasive tool, such as a drill bit. In the method an externally threaded plug (16), formed with a recess (18) therein, is screwed into a complementally threaded socket (14) in the working face. The cutting insert (22) is secured in the recess (18) in the plug (16). The cutting insert (22) has a transversely extending formation (20B) which locates in an undercut (18B) in the recess (18) in the plug with a gap between the formation and the recess. A locking insert (32) is located in the gap in such a manner as to anchor the cutting insert relative to the plug. The locking insert is typically of malleable material and is deformed into the gap. <IMAGE>

IPC 1-7

E21B 10/56; **E21B 10/62**

IPC 8 full level

E21B 10/56 (2006.01); **E21B 10/62** (2006.01)

CPC (source: EP)

E21B 10/56 (2013.01); **E21B 10/62** (2013.01)

Cited by

AU2007201463B2; GB2306989A; US5678645A; US5906245A; GB2306989B; BE1012593A3; US8011456B2; US9481033B2; US10702937B2; WO03012244A1; US6926104B2; WO2009012432A3; WO0050729A3

Designated contracting state (EPC)

BE CH DE FR GB IE LI NL SE

DOCDB simple family (publication)

EP 0581534 A1 19940202; **EP 0581534 B1 19970326**; DE 69309178 D1 19970430; DE 69309178 T2 19971016; ZA 935114 B 19940208

DOCDB simple family (application)

EP 93305796 A 19930722; DE 69309178 T 19930722; ZA 935114 A 19930715