

Title (en)
Cutting elements

Title (de)
Schneidelemente

Title (fr)
Éléments de coupe

Publication
EP 1270118 A1 20030102 (EN)

Application
EP 01305661 A 20010629

Priority
EP 01305661 A 20010629

Abstract (en)
A cutting element for a cutting tool that is particularly resistant to premature wear through reverse rotation, comprises a matrix including support material and particles of abrasive material, characterised in that the particles comprise a mixture of natural and synthetic diamond. The proportion of natural diamond in the mixture ranges from around 2% up to around 70-80%. A preferred mixture contains approximately 40% natural diamond and approximately 60% synthetic diamond. <IMAGE>

IPC 1-7
B23B 27/14; **B23B 27/20**; **E21B 10/46**

IPC 8 full level
B28D 1/04 (2006.01); **B28D 1/12** (2006.01); **E21B 10/46** (2006.01)

CPC (source: EP)
B28D 1/041 (2013.01); **B28D 1/12** (2013.01); **E21B 10/46** (2013.01)

Citation (search report)
• [X] EP 0370199 A1 19900530 - GEN ELECTRIC [US]
• [X] GB 2081347 A 19820217 - CHRISTENSEN INC
• [X] EP 0916804 A1 19990519 - GEN ELECTRIC [US]
• [A] EP 0264674 A2 19880427 - CHRISTENSEN INC NORTON [US]

Designated contracting state (EPC)
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