

Title (en)
Rock drill bit

Title (de)
Gesteinsbohrer

Title (fr)
Trépan de roche

Publication
EP 0657617 B1 19990818 (DE)

Application
EP 94116965 A 19941027

Priority
• DE 4342324 A 19931211
• DE 4407119 A 19940304

Abstract (en)
[origin: EP0657617A1] A rock drill bit for hammer drilling machines is proposed, having a spiral shank and a drill head connected to it, on the end face of which a main cutting tip (6) inclined in a roof shape and secondary cutting tips (12, 13) arranged transversely to it are arranged. The drill head contains two laterally opposite flats for forming grooves for the cuttings. In plan view, the drill head is of rectangular configuration in cross-section to the greatest possible extent, an acute angle α being enclosed between the main cutting tip and the lagging secondary cutting tips.
<IMAGE>

IPC 1-7
E21B 10/44

IPC 8 full level
E21B 10/44 (2006.01); **E21B 10/58** (2006.01)

CPC (source: EP US)
E21B 10/445 (2013.01 - EP US); **E21B 10/58** (2013.01 - EP US)

Cited by
US7137461B2; EP0778391A3; EP1045112A1; EP1125664A3; DE19537900B4; EP3437773A1; EP0763649A1; FR2738762A1; US6283232B1; EP1405984A1; WO0165048A2; US6910838B2

Designated contracting state (EPC)
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EP 94116965 A 19941027; CN 94119874 A 19941207; DE 4407119 A 19940304; DE 59408638 T 19941027; DK 94116965 T 19941027; US 33664994 A 19941104