

Title (en)
Rock drill bit and method of manufacturing same

Title (de)
Gesteinsbohrer sowie Verfahren zu dessen Herstellung

Title (fr)
Trépan de roche et méthode pour sa fabrication

Publication
EP 0790387 B1 20000712 (DE)

Application
EP 97100123 A 19970107

Priority
DE 19601356 A 19960116

Abstract (en)
[origin: EP0790387A1] The hard metal bit (10) has a head (14) with a cutting edge (12) and a foot piece (16) which matches the geometry of a receiver slot (36) in the tool. The distance between the side faces (18,20) of the foot piece in at least one section (24) of the foot piece is greater than the edge area of the side faces of the foot piece. To manufacture the masonry drill, the receiver slot and the foot piece are brought together and the drill bit inserted into the slot. One of the side walls of the slot on the front face (37) of the drill head is blocked off to prevent the bit from falling out. The hard metal bit is then brazed in position.

IPC 1-7
E21B 10/58

IPC 8 full level
E21B 10/58 (2006.01)

CPC (source: EP)
E21B 10/58 (2013.01)

Cited by
EP0941793A3; EP0987398A1; EP0943779A3; EP1892070A3; WO2004027206A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0790387 A1 19970820; EP 0790387 B1 20000712; AT E194685 T1 20000715; DE 19601356 A1 19970717; DE 59701985 D1 20000817; DK 0790387 T3 20001030; ES 2151194 T3 20001216; GR 3034567 T3 20010131; PT 790387 E 20001229

DOCDB simple family (application)
EP 97100123 A 19970107; AT 97100123 T 19970107; DE 19601356 A 19960116; DE 59701985 T 19970107; DK 97100123 T 19970107; ES 97100123 T 19970107; GR 20000402256 T 20001005; PT 97100123 T 19970107