

Title (en)
Wear-resistant tool-insert

Title (de)
Verschleissfester Werkzeugeinsatz

Title (fr)
Plaquette d'outil résistant à l'usure

Publication
EP 0870558 B1 20031015 (DE)

Application
EP 98201082 A 19980406

Priority
AT 21097 U 19970409

Abstract (en)
[origin: EP0870558A2] The tool insert is split in the axial direction of the incoming wire material. The halves of the insert (2) can be screwed or riveted etc. Alternatively they can be pressed together via the toolholder, or the part of the machine in which they are inserted. They can fit together via a fractured joint (6), and can be of cemented or tungsten carbide.

IPC 1-7
B21G 3/00; **B21K 1/56**; **B21J 5/12**; **B21G 3/12**; **B21G 3/28**

IPC 8 full level
B21G 3/00 (2006.01); **B21G 3/12** (2006.01); **B21G 3/28** (2006.01); **B21K 1/56** (2006.01)

CPC (source: EP US)
B21G 3/00 (2013.01 - EP US); **B21G 3/12** (2013.01 - EP US); **B21G 3/28** (2013.01 - EP US); **B21K 1/56** (2013.01 - EP US)

Cited by
WO2004101194A1

Designated contracting state (EPC)
DE DK ES FI FR GB IT SE

DOCDB simple family (publication)
EP 0870558 A2 19981014; **EP 0870558 A3 20010131**; **EP 0870558 B1 20031015**; AT 2143 U1 19980525; DE 59809893 D1 20031120; DK 0870558 T3 20040223; ES 2212209 T3 20040716; US 5979216 A 19991109

DOCDB simple family (application)
EP 98201082 A 19980406; AT 21097 U 19970409; DE 59809893 T 19980406; DK 98201082 T 19980406; ES 98201082 T 19980406; US 4958698 A 19980327