

Title (en)
Sharp-edged cutting tools

Title (de)
Scharfkantige Schneidewerkzeuge

Title (fr)
Outils de découpe à arêtes vives

Publication
EP 1944138 A3 20081022 (EN)

Application
EP 08006342 A 20020307

Priority
• EP 02768276 A 20020307
• US 27433901 P 20010307

Abstract (en)
[origin: EP1944138A2] The inventions regards a cutting tool comprising a blade portion having a sharpened edge and a body portion, wherein at least one of the blade portion (30) and the body portion (20) are formed from a bulk amorphous alloy material. In an embodiment, the at least one portion formed from the bulk amorphous alloy has a thickness of at least 0.5 mm. In another embodiment, the at least one portion formed from the bulk amorphous alloy is designed such that it does not undergo plastic deformation at strain levels of at least about 1.2%.

IPC 8 full level
B23D 61/12 (2006.01); **B26D 1/00** (2006.01); **B23D 63/12** (2006.01); **B26B 3/00** (2006.01); **B26B 9/00** (2006.01); **B29B 9/00** (2006.01); **C22C 45/00** (2006.01); **C22C 45/02** (2006.01); **C22C 45/10** (2006.01)

CPC (source: EP)
B26B 9/00 (2013.01); **B26D 1/0006** (2013.01); **C22C 45/00** (2013.01); **C22C 45/02** (2013.01); **C22C 45/10** (2013.01); **B26D 2001/002** (2013.01)

Citation (search report)
[X] C. SURYANARAYANA: "Non-equilibrium Processing of Materials", 1999, ELSEVIER SCIENCE LTD., KIDLINGTON, OXFORD, XP002483416

Cited by
US11400613B2; US9868150B2; US11077655B2; US10487934B2; US11859705B2; US10151377B2; US10690227B2; US11198181B2; US11839927B2; US10155412B2; US10953688B2; US9211564B2; US9610650B2; US11014162B2; US9783877B2; US10471652B2; US10941847B2; US11920668B2; US11155907B2; US11185921B2; US11591906B2; US11905578B2; US10174780B2; US10883528B2; US10968527B2; US11680629B2; US9328813B2; US9579718B2; US9791032B2; US10946447B2; US11123797B2; US11773475B2

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

DOCDB simple family (publication)
EP 1944138 A2 20080716; EP 1944138 A3 20081022

DOCDB simple family (application)
EP 08006342 A 20020307