

Title (en)
CUTTING TOOL AND METHOD OF ASSEMBLING THE CUTTING TOOL

Title (de)
SCHNEIDWERKZEUG UND VERFAHREN ZUR MONTAGE DES SCHNEIDWERKZEUGS

Title (fr)
OUTIL COUPANT ET PROCÉDÉ D'ASSEMBLAGE DE L'OUTIL COUPANT

Publication
EP 2021581 A2 20090211 (EN)

Application
EP 07776670 A 20070501

Priority
• US 2007010714 W 20070501
• US 42943906 A 20060508

Abstract (en)
[origin: US2007257545A1] A cutting tool assembly includes a tool body having a major flare diameter portion disposed adjacent the cutting end of the cutting tool and a puller groove disposed below the major flare diameter portion. A compressible sleeve is disposed about a shank portion of the cutting tool, which is mounted in a tool holder. A washer is fitted about the compressible sleeve, and acts as one of the sides of the puller groove. The location of the puller groove below the major flare diameter portion allows for the cutting tool to be made by cold forming, or the like.

IPC 8 full level
E21C 35/18 (2006.01)

CPC (source: EP US)
E21C 35/197 (2013.01 - EP US)

Citation (search report)
See references of WO 2007133463A2

Cited by
CN105201501A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2007257545 A1 20071108; AU 2007250003 A1 20071122; AU 2007250003 B2 20100819; CA 2650811 A1 20071122; CA 2650811 C 20120821; CN 101438028 A 20090520; CN 101438028 B 20120321; EP 2021581 A2 20090211; JP 2009536701 A 20091015; JP 4829344 B2 20111207; MX 2008014022 A 20090120; WO 2007133463 A2 20071122; WO 2007133463 A3 20080710

DOCDB simple family (application)
US 42943906 A 20060508; AU 2007250003 A 20070501; CA 2650811 A 20070501; CN 200780016727 A 20070501; EP 07776670 A 20070501; JP 2009509706 A 20070501; MX 2008014022 A 20070501; US 2007010714 W 20070501