

Title (en)
CUTTING TOOL, IN PARTICULAR PARING TOOL, DRILL HEAD, SOLID DRILL HEAD OR BORING HEAD, AND CUTTING MACHINE AND METHOD

Title (de)
SPANWERKZEUG, INSBESONDERE SCHÄLWERKZEUG, AUFBOHRKOPF, VOLLBOHRKOPF ODER BOHRKOPF, SOWIE ZERSpanungsmaschine und Verfahren

Title (fr)
OUTIL D'USINAGE PAR ENLÈVEMENT DE COPEAUX, EN PARTICULIER OUTIL DE DÉCOLLETAGE, TÊTE D'ALÉSAGE PROFOND, PORTE-LARMES PLEIN OU TÊTE D'ALÉSAGE, AINSI QUE MACHINE D'USINAGE ET PROCÉDÉ CORRESPONDANT

Publication
EP 2483023 A2 20120808 (DE)

Application
EP 10782525 A 20101001

Priority

- DE 102009048057 A 20091002
- DE 102010013480 A 20100330
- DE 2010001152 W 20101001

Abstract (en)
[origin: WO2011038724A2] The invention relates to rotationally symmetrical bodies made of metal which must often be provided with central and straight cylindrical holes. Said holes extend, in parts, over the entire length such that a tubular shaped body is produced due to the boring. When it is necessary to produce holes having a depth greater than approximately >10 x larger than the diameter, deep boring machines are used. Based on said boring depth and on construction details, deviations can occur between the boring axis and of the axis of the tool which can result in waste. The invention proposes a drill head or a solid drill head which comprises a directional control element which is used in the deep boring machines.

IPC 8 full level
B23B 41/02 (2006.01); **B23B 29/034** (2006.01)

CPC (source: EP KR US)
B23B 29/034 (2013.01 - KR); **B23B 41/02** (2013.01 - EP KR US); **B23Q 17/2233** (2013.01 - EP US); **B23Q 17/24** (2013.01 - EP US); **B24B 39/02** (2013.01 - EP US); **B23B 2260/128** (2013.01 - EP US); **B23B 2270/04** (2013.01 - EP US); **Y10T 408/21** (2015.01 - EP US)

Citation (search report)
See references of WO 2011038724A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102010013480 A1 20110407; EP 2483023 A2 20120808; KR 20120105424 A 20120925; US 2012219370 A1 20120830; WO 2011038724 A2 20110407; WO 2011038724 A3 20110721

DOCDB simple family (application)
DE 102010013480 A 20100330; DE 2010001152 W 20101001; EP 10782525 A 20101001; KR 20127009491 A 20101001; US 201013499474 A 20101001