

Title (en)

METHOD FOR MACHINING A WORKPIECE FROM A METALLIC MATERIAL

Title (de)

VERFAHREN ZUR BEARBEITUNG EINES WERKSTÜCKS AUS EINEM METALLISCHEN WERKSTOFF

Title (fr)

PROCÉDÉ D'USINAGE D'UNE PIÈCE EN MATÉRIAU MÉTALLIQUE

Publication

EP 3544753 A1 20191002 (DE)

Application

EP 17808370 A 20171115

Priority

- DE 102016122575 A 20161123
- EP 2017079270 W 20171115

Abstract (en)

[origin: WO2018095774A1] The invention relates to a method for machining a workpiece from a metallic material, in which the workpiece is machined by means of ECAP, characterized in that the workpiece, after the machining by means of ECAP, is post-processed by means of hammering, whereby a diameter reduction is achieved. As a result, material properties of the material of the workpiece and in particular the strength and the hardness can be considerably enhanced.

IPC 8 full level

B21J 7/14 (2006.01); **B21C 23/00** (2006.01)

CPC (source: EP US)

B21C 23/001 (2013.01 - EP US); **B21J 7/145** (2013.01 - EP)

Citation (search report)

See references of WO 2018095774A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016122575 A1 20180524; **DE 102016122575 B4 20180906**; EP 3544753 A1 20191002; EP 3544753 B1 20210106; ES 2865549 T3 20211015; US 2020061689 A1 20200227; WO 2018095774 A1 20180531

DOCDB simple family (application)

DE 102016122575 A 20161123; EP 17808370 A 20171115; EP 2017079270 W 20171115; ES 17808370 T 20171115; US 201716462641 A 20171115