

Title (en)

Method for producing a fibre-metal compound workpiece and machine tool

Title (de)

Verfahren zum Herstellen eines Faser-Metall-Verbundwerkstücks und Werkzeugmaschine

Title (fr)

Procédé de fabrication d'une pièce usinée composite à métal fibreux et machine-outil

Publication

EP 2638986 B1 20190508 (DE)

Application

EP 12159180 A 20120313

Priority

EP 12159180 A 20120313

Abstract (en)

[origin: EP2638986A1] The method involves loading a workpiece support (5) of machine tool (1) with a metal workpiece (2) e.g. metal sheet. The workpiece lying on workpiece support is processed by processing device e.g. punch (3a) in order to produce deformations (15) on workpiece. A laid fiber scrim (16) is placed on workpiece lying on workpiece support in the area of deformations. The laid fiber scrim is connected to workpiece by processing workpiece by processing device. An independent claim is included for machine tool for producing fiber-metal composite workpiece.

IPC 8 full level

B21D 39/03 (2006.01); **B21D 49/00** (2006.01)

CPC (source: EP US)

B21D 39/03 (2013.01 - US); **B21D 39/032** (2013.01 - EP US); **B21D 49/00** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US); **Y10T 29/53961** (2015.01 - EP US)

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

DOCDB simple family (publication)

EP 2638986 A1 20130918; **EP 2638986 B1 20190508**; CN 104245175 A 20141224; CN 104245175 B 20160210; US 2015074970 A1 20150319; US 9656315 B2 20170523; WO 2013135572 A1 20130919

DOCDB simple family (application)

EP 12159180 A 20120313; CN 201380013697 A 20130308; EP 2013054711 W 20130308; US 201314384196 A 20130308