

Title (en)

METHOD OF EXTRUDING ELEMENTS, ESPECIALLY MADE OF METAL, AND A SYSTEM FOR EXTRUDING ELEMENTS, ESPECIALLY MADE OF METAL

Title (de)

VERFAHREN ZUM EXTRUDIEREN VON ELEMENTEN, INSBESONDERE AUS METALL, UND SYSTEM ZUM EXTRUDIEREN VON ELEMENTEN, INSBESONDERE AUS METALL

Title (fr)

PROCÉDÉ PERMETTANT D'EXTRUDER DES ÉLÉMENTS, EN PARTICULIER CONSTITUÉS DE MÉTAL, ET SYSTÈME PERMETTANT D'EXTRUDER DES ÉLÉMENTS, EN PARTICULIER CONSTITUÉS DE MÉTAL

Publication

EP 2709777 B1 20160406 (EN)

Application

EP 11805253 A 20111205

Priority

- PL 39492411 A 20110518
- PL 2011000125 W 20111205

Abstract (en)

[origin: WO2012158051A1] The subject of invention is the method of extruding elements, especially made of metal, and a system for extruding elements, especially made of metal, employed for production of elements by means of extrusion. The material 4 is deflected from the infeed wheel 1 tangentially or at an angle within 90° and is caused to flow locally within the area of the die 5, by the mandrel's 7 rotary action. This method is executed in a system where in the gap's 3 output area there is a wedge 6 to deflect the direction of exit of the material fed by the rotating infeed wheel 1, and in the space between the friction block 2 and the deflection wedge 6 there is a mandrel 7 caused to cyclically move bidirectionally at frequency of (0.1-10) Hz, whose face contacts the material in the area of transfer into the die 5.

IPC 8 full level

B21C 23/00 (2006.01)

CPC (source: EP US)

B21C 23/001 (2013.01 - US); **B21C 23/005** (2013.01 - EP US); **B21C 25/04** (2013.01 - US); **B21C 33/00** (2013.01 - 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)

WO 2012158051 A1 20121122; EP 2709777 A1 20140326; EP 2709777 B1 20160406; JP 2014518772 A 20140807; PL 219234 B1 20150331; PL 394924 A1 20121119; US 2014060141 A1 20140306

DOCDB simple family (application)

PL 2011000125 W 20111205; EP 11805253 A 20111205; JP 2014511316 A 20111205; PL 39492411 A 20110518; US 201114002440 A 20111205