

Title (en)

METHOD FOR PRODUCING HOLLOW PROFILES HAVING A LONGITUDINAL FLANGE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOHLPROFILIEN MIT EINEM LÄNGSFLANSCH

Title (fr)

PROCÉDÉ POUR PRODUIRE DES PROFILÉS CREUX PRÉSENTANT UNE FEUILLURE LONGITUDINALE

Publication

EP 2569113 B1 20140312 (DE)

Application

EP 11723298 A 20110504

Priority

- DE 102010016960 A 20100514
- EP 2011057100 W 20110504

Abstract (en)

[origin: WO2011141336A1] The invention relates to a method for producing hollow profiles having a longitudinal flange, wherein a blank disposed between a punch and a first die is preformed into a U-profile having a first limb and a second limb by driving a punch into a first die, and wherein the U-profile is formed into an O-profile having a longitudinal flange by means of a second die. The aim of disclosing a reliable method for producing hollow profiles having a longitudinal flange and allowing better control of the dimensions and shape of the longitudinal flange is achieved in that a longitudinal flange limb segment is formed in at least the first limb when preforming the blank into the U-profile, and the longitudinal flange limb segment is formed into a part of the longitudinal flange while substantially retaining the shape thereof during the forming of the U-profile into an O-profile.

IPC 8 full level

B21D 47/01 (2006.01); **B21D 5/01** (2006.01); **B21D 19/08** (2006.01); **B21D 53/88** (2006.01)

CPC (source: EP KR US)

B21D 5/015 (2013.01 - EP KR US); **B21D 5/02** (2013.01 - KR); **B21D 19/08** (2013.01 - EP KR US); **B21D 22/02** (2013.01 - EP KR US); **B21D 47/01** (2013.01 - EP KR US); **B21D 53/88** (2013.01 - EP KR US)

Cited by

EP3363663A1

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)

DE 102010016960 A1 20111117; CN 102947021 A 20130227; CN 102947021 B 20141224; EP 2569113 A1 20130320; EP 2569113 B1 20140312; JP 2013526412 A 20130624; JP 5430798 B2 20140305; KR 101810109 B1 20171218; KR 20130080015 A 20130711; US 2013091919 A1 20130418; US 8505352 B2 20130813; WO 2011141336 A1 20111117

DOCDB simple family (application)

DE 102010016960 A 20100514; CN 201180031747 A 20110504; EP 11723298 A 20110504; EP 2011057100 W 20110504; JP 2013510551 A 20110504; KR 20127032836 A 20110504; US 201213676851 A 20121114