

Title (en)

Method and apparatus for spinning

Title (de)

Verfahren und Vorrichtung zum Abstreckdrückwalzen

Title (fr)

Méthode et appareil de fluotournage

Publication

EP 2210682 B1 20120314 (DE)

Application

EP 09008987 A 20090709

Priority

EP 09008987 A 20090709

Abstract (en)

[origin: EP2210682A1] The method involves arranging a tubular work piece around a pressure mandrel (20). The pressure mandrel is displaced by rotation, and is remodeled by feeding a shaping mandrel (40). Wall thickness of the tubular work piece is reduced, where the tubular work piece is lengthened. The pressure mandrel is displaced in the axial direction against the work piece during remodeling. An independent claim is also included for a flow form milling device.

IPC 8 full level

B21D 22/16 (2006.01); **B21B 19/06** (2006.01)

CPC (source: EP KR US)

B21C 37/26 (2013.01 - KR US); **B21D 7/08** (2013.01 - KR); **B21D 22/16** (2013.01 - EP KR US); **B21D 22/18** (2013.01 - KR)

Cited by

WO2017148552A1; CN104438429A; EP3025802A1; US10569321B2; US10857580B2; WO2017157556A1; WO2016083086A1; DE202016101179U1; DE102016103946A1; WO2017148551A1; US11033950B2; EP3351313A1; WO2018133959A1; EP3682981A1; US11565300B2; EP2995394B1; EP2314395B2; EP2716377B1; EP2842649B1; EP2343138B1; EP2314395A1; EP2343138A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2210682 A1 20100728; EP 2210682 B1 20120314; AT E549106 T1 20120315; BR 112012000543 A2 20161116; CN 102470418 A 20120523; CN 102470418 B 20140917; JP 2012532023 A 20121213; JP 5791599 B2 20151007; KR 101696224 B1 20170113; KR 20120057582 A 20120605; PL 2210682 T3 20120731; RU 2011148792 A 20130820; RU 2526348 C2 20140820; US 2012090372 A1 20120419; US 8997541 B2 20150407; WO 2011003501 A1 20110113

DOCDB simple family (application)

EP 09008987 A 20090709; AT 09008987 T 20090709; BR 112012000543 A 20100614; CN 201080026826 A 20100614; EP 2010003557 W 20100614; JP 2012518772 A 20100614; KR 20117030034 A 20100614; PL 09008987 T 20090709; RU 2011148792 A 20100614; US 201013377696 A 20100614