

Title (en)

Method for hydroforming a steel tubular blank

Title (de)

Verfahren zur Innenhochdruckumformung eines rohrförmigen Rohlings aus Stahl

Title (fr)

Méthode d'hydroformage d'une ébauche tubulaire en acier

Publication

EP 1584382 B1 20080702 (EN)

Application

EP 05075830 A 20050408

Priority

- EP 05075830 A 20050408
- EP 04076086 A 20040409

Abstract (en)

[origin: US2005223768A1] Disclosed is a method for manufacturing a metal tubular blank suitable for forming into a product comprising the steps of: providing an essentially planar blank, said planar blank having a first surface and a second surface; and producing the tubular blank from the planar blank whereby the second surface of the planar blank becomes the outside of the tubular blank; wherein a first layer with a first friction influencing function is applied to at least part of the first side of the planar blank and/or a second layer with a second friction influencing function is applied to at least part of the second side of the planar blank prior to forming the planar blank into a tubular blank, so as to influence the friction between the tubular blank and forming tools which can be used to form the tubular blank into the product, and wherein the first and/or second layer are applied in the form of a foil, a dry lubricant, a wax or an oil. Also disclosed is a tubular blank and a product produced from such a tubular blank.

IPC 8 full level

B21C 37/06 (2006.01); **B21D 26/02** (2006.01)

CPC (source: EP US)

B21C 37/06 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005223768 A1 20051013; AT E399606 T1 20080715; DE 602005007790 D1 20080814; EP 1584382 A1 20051012; EP 1584382 B1 20080702; ES 2305998 T3 20081101

DOCDB simple family (application)

US 10165605 A 20050408; AT 05075830 T 20050408; DE 602005007790 T 20050408; EP 05075830 A 20050408; ES 05075830 T 20050408