

Title (en)  
TUBE ROLLING PLANT AND METHOD FOR ROLLING SEAMLESS TUBES

Title (de)  
ROHRWALZWERK UND VERFAHREN ZUM WALZEN VON NAHTLOSEN ROHREN

Title (fr)  
LAMINOIR DE TUBE ET PROCÉDÉ DE LAMINAGE DES TUBES SANS SOUDURE

Publication  
**EP 2521626 A1 20121114 (EN)**

Application  
**EP 10706747 A 20100105**

Priority  
IB 2010050017 W 20100105

Abstract (en)  
[origin: WO2011083367A1] The invention relates to a plant for performing the rolling of seamless tubes, typically with a large diameter. The plant comprises: a furnace for heating billets produced by means of continuous casting; a piercing mill for piercing longitudinally the billets so as to obtain a pierced blank; an expanding-elongating mill for expanding the diameter of the pierced blank and for elongating the pierced blank so as to obtain a semi-finished tube; a continuous main rolling mill of the type comprising stands with two or more rolls, in which the radial position of the rolls is adjustable, for performing rolling of a tube on a retained mandrel; a fixed-roll extracting-reducing mill positioned downstream of the main rolling mill and in series therewith, the extracting-reducing mill being designed to extract the tube from the mandrel and to define a predetermined value for the diameter of the tube; a sizing mill for defining the diameter of the finished tube, the sizing mill being of the type in which the radial position of the rolls is adjustable; and a cooling bed. The plant according to the invention also comprises a by-pass line for feeding the pierced blank leaving the piercing mill directly to the main rolling mill, thereby avoiding the expanding-elongating mill.

IPC 8 full level  
**B21B 23/00** (2006.01)

CPC (source: EP US)  
**B21B 19/04** (2013.01 - EP US); **B21B 23/00** (2013.01 - EP US); **B21B 13/04** (2013.01 - EP US); **B21B 17/04** (2013.01 - EP US); **B21B 19/08** (2013.01 - EP US); **B21B 25/00** (2013.01 - EP US); **B21B 37/78** (2013.01 - EP US); **B21B 38/006** (2013.01 - EP US); **B21B 38/04** (2013.01 - EP US); **B21B 2013/025** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011083367A1

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)  
**WO 2011083367 A1 20110714**; AR 079829 A1 20120222; BR 112012016664 A2 20180515; CN 102802824 A 20121128; EA 201200813 A1 20130130; EP 2521626 A1 20121114; EP 2521626 B1 20141217; JP 2013516325 A 20130513; JP 5615938 B2 20141029; MX 2012007817 A 20121130; SA 111320071 B1 20140501; US 2013074563 A1 20130328

DOCDB simple family (application)  
**IB 2010050017 W 20100105**; AR P110100009 A 20110103; BR 112012016664 A 20100105; CN 201080060543 A 20100105; EA 201200813 A 20100105; EP 10706747 A 20100105; JP 2012547556 A 20100105; MX 2012007817 A 20100105; SA 111320071 A 20110101; US 201213542328 A 20120705