

Title (en)
COMPACT PLANT FOR ROLLING SEAMLESS TUBES

Title (de)
KOMPAKTE ANLAGE ZUM WALZEN VON NAHTLOSEN ROHREN

Title (fr)
INSTALLATION COMPACTE POUR LE LAMINAGE DE TUBES SANS SOUDURE

Publication
EP 3174649 A1 20170607 (EN)

Application
EP 15747555 A 20150709

Priority
• IT MI20141399 A 20140731
• IB 2015055193 W 20150709

Abstract (en)
[origin: WO2016016751A1] The present invention relates to a compact plant (10) for rolling a seamless tube. The plant comprises a rotary piercer (20) which defines a rolling axis XPR and is designed to pierce a billet (11) pressed against a plug (22) mounted on a rod so as to obtain a pierced blank (12). The rod is connected to a thrust block (26) designed to oppose the axial thrust during piercing. The plant also comprises a longitudinal mill (30) which defines a rolling axis XLL and is designed to roll the pierced blank (12) on a mandrel (32) so as to obtain a semi-finished tube (13). The mandrel is connected to a retaining block (34) designed to impart to the mandrel a predetermined speed during rolling. In the plant (10) according to the invention the rolling axes XPR and XLL coincide. The invention also relates to a method for rolling a seamless tube.

IPC 8 full level
B21B 17/04 (2006.01); **B21B 19/04** (2006.01)

CPC (source: CN EP US)
B21B 17/04 (2013.01 - CN EP US); **B21B 19/04** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2016016751A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016016751 A1 20160204; AR 101373 A1 20161214; CN 106660087 A 20170510; EP 3174649 A1 20170607; JP 2017522191 A 20170810; RU 2017106031 A 20180828; RU 2017106031 A3 20181210; US 2017165729 A1 20170615

DOCDB simple family (application)
IB 2015055193 W 20150709; AR P150102433 A 20150729; CN 201580041870 A 20150709; EP 15747555 A 20150709; JP 2017505534 A 20150709; RU 2017106031 A 20150709; US 201515403420 A 20150709