

Title (en)

METHOD FOR MANUFACTURING SEAMLESS PIPE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN ROHRS

Title (fr)

PROCÉDÉ DE FABRICATION DE TUBE SANS SOUDURE

Publication

EP 2786814 A4 20150812 (EN)

Application

EP 13791398 A 20130204

Priority

- JP 2012110569 A 20120514
- JP 2013000596 W 20130204

Abstract (en)

[origin: EP2786814A1] A method of manufacturing a seamless steel pipe including the steps of: providing a hollow billet with a mandrel inserted therein and forging the hollow billet into a primary hollow shell of a predetermined diameter and thickness; subjecting the primary hollow shell to diameter reduction at one end portion thereof; and providing the primary hollow shell with a mandrel inserted therein, the primary hollow shell having the diameter reduced portion at the one end portion thereof, and subjecting the primary hollow shell to push-drawing using a push bench. With this method, it is possible to manufacture seamless steel pipes of a wide range of manufacturable sizes (large diameter or thick-walled pipes) with high dimensional accuracy, particularly with high wall thickness accuracy.

IPC 8 full level

B21C 1/26 (2006.01); **B21K 1/06** (2006.01)

CPC (source: EP)

B21C 1/26 (2013.01); **B21K 1/063** (2013.01)

Citation (search report)

- [I] US 4454745 A 19840619 - CUDINI IVANO G [CA]
- [I] DE 3632522 A1 19880331 - KOCKS TECHNIK [DE]
- [I] FR 1457184 A 19660708 - DEMAG AG
- [I] GB 1092717 A 19671129 - TUBE MILL HOLDING SA
- [I] GB 655532 A 19510725 - WELLMAN SMITH OWEN ENG CO LTD, et al
- See references of WO 2013171935A1

Cited by

IT201700049072A1; WO2019141798A1

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)

EP 2786814 A1 20141008; **EP 2786814 A4 20150812**; **EP 2786814 B1 20170802**; CN 103974788 A 20140806; CN 103974788 B 20150826; ES 2645985 T3 20171211; JP 5387797 B1 20140115; JP WO2013171935 A1 20160107; WO 2013171935 A1 20131121

DOCDB simple family (application)

EP 13791398 A 20130204; CN 201380004151 A 20130204; ES 13791398 T 20130204; JP 2013000596 W 20130204; JP 2013505233 A 20130204