

Title (en)
METHOD FOR PRODUCING STEEL PIPE

Title (de)
VERFAHREN ZUR STAHLHERSTELLUNG

Title (fr)
PROCÉDÉ DE FABRICATION D'UN TUBE D'ACIER

Publication
EP 3000541 A4 20160525 (EN)

Application
EP 14800237 A 20140515

Priority
• JP 2013063953 W 20130520
• JP 2014062925 W 20140515

Abstract (en)
[origin: EP3000541A1] A method for manufacturing a steel pipe includes a first pipe expanding step of expanding a steel pipe within a range of a pipe expanding ratio having a lower limit at a pipe expanding ratio at which a predetermined roundness is obtained and an upper limit at a maximum value of a pipe expanding ratio at which an equipment load of a pipe expanding machine falls in an allowable range when the steel pipe is expanded, and a second pipe expanding step of expanding the steel pipe after the first pipe expanding step at a pipe expanding ratio at which the pipe diameter of the steel pipe reaches a target value. This improves the roundness of the steel pipe without increasing the equipment load of the pipe expanding machine.

IPC 8 full level
B21D 3/14 (2006.01); **B21C 37/08** (2006.01); **B21D 39/20** (2006.01)

CPC (source: EP RU)
B21C 37/08 (2013.01 - RU); **B21C 37/30** (2013.01 - EP); **B21D 3/14** (2013.01 - RU); **B21D 39/20** (2013.01 - RU); **B21D 3/14** (2013.01 - EP); **B21D 39/20** (2013.01 - EP)

Citation (search report)
• [XDAI] JP H091234 A 19970107 - SUMITOMO METAL IND
• [XII] EP 2177281 A1 20100421 - SUMITOMO METAL IND [JP]
• [XA] US 6318145 B1 20011120 - BABA YOSHIHIRO [JP]
• See also references of WO 2014188944A1

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 3000541 A1 20160330; EP 3000541 A4 20160525; EP 3000541 B1 20210303; CN 105228765 A 20160106; CN 105228765 B 20180109; JP 6037004 B2 20161130; JP WO2014188944 A1 20170223; RU 2015154555 A 20170622; RU 2653035 C2 20180504; WO 2014188490 A1 20141127; WO 2014188944 A1 20141127

DOCDB simple family (application)
EP 14800237 A 20140515; CN 201480028860 A 20140515; JP 2013063953 W 20130520; JP 2014062925 W 20140515; JP 2015518209 A 20140515; RU 2015154555 A 20140515