

Title (en)

METHOD FOR MANUFACTURING L-SHAPED SQUARE PIPE, DEVICE FOR MANUFACTURING L-SHAPED SQUARE PIPE, AND L-SHAPED SQUARE PIPE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES L-FÖRMIGEN VIERKANTROHRS, VORRICHTUNG ZUR HERSTELLUNG EINES L-FÖRMIGEN VIERKANTROHRS UND L-FÖRMIGES VIERKANTROHR

Title (fr)

PROCÉDÉ POUR LA FABRICATION DE TUYAU DE SECTION CARRÉE EN FORME DE L, DISPOSITIF POUR LA FABRICATION DE TUYAU DE SECTION CARRÉE EN FORME DE L ET TUYAU DE SECTION CARRÉE EN FORME DE L

Publication

EP 3323521 A1 20180523 (EN)

Application

EP 16824407 A 20160708

Priority

- JP 2015139858 A 20150713
- JP 2016070294 W 20160708

Abstract (en)

Provided is a method for manufacturing an L-shaped square pipe that ensures adequate strength even without welding, a device for manufacturing the L-shaped square pipe, and the L-shaped square pipe. Provided is a method for manufacturing an L-shaped square pipe 1A, comprising: a groove section forming step for forming a groove section 5 by pressing one surface 1a of a square steel pipe 1, along the shorter direction of the one surface 1a, towards another surface 1b positioned on the reverse side of the one surface 1a; and a bending step for bending the square pipe so that the sides of the first surface 1a sandwiching the groove section 5 approach each other.

IPC 8 full level

B21D 7/00 (2006.01); **B21D 11/08** (2006.01)

CPC (source: EP US)

B21D 7/06 (2013.01 - EP US); **B21D 11/08** (2013.01 - EP US); **B21D 53/74** (2013.01 - EP US); **E04C 3/06** (2013.01 - US);
E04C 3/32 (2013.01 - US); **E04C 2003/0465** (2013.01 - US)

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 3323521 A1 20180523; **EP 3323521 A4 20190320**; AU 2016292581 A1 20180215; CN 108025342 A 20180511; JP 2017018997 A 20170126;
JP 6416049 B2 20181031; MY 190827 A 20220512; TW 201711768 A 20170401; TW I683709 B 20200201; US 2019001388 A1 20190103;
WO 2017010427 A1 20170119

DOCDB simple family (application)

EP 16824407 A 20160708; AU 2016292581 A 20160708; CN 201680052469 A 20160708; JP 2015139858 A 20150713;
JP 2016070294 W 20160708; MY PI2018000051 A 20160708; TW 105121785 A 20160711; US 201615745274 A 20160708