Title (en)

Method for the production of longitudinally seam welded metal tubes

Title (de)

Verfahren zur Herstellung eines längsnahtgeschweissten Metallrohres

Title (fr)

Procédé de fabrication de tuyaux métalliques soudés longitudinalement

Publication

EP 0703017 B1 20000419 (DE)

Application

EP 95114295 A 19950912

Priority

DE 4434134 A 19940924

Abstract (en)

[origin: EP0703017A2] The method concerns production of a metal tube out of a strip which is given a tubular form with a longitudinal slit, and is completed by laser welding. It is characterised by the following features: a) immediately in front of the welding point, the tube surface is gripped by a first tool which holds the opposing strip edges in contact with one another; b) immediately after the welding point, the tube surface is gripped by a second tool which levers the weld seam free, and keeps the joint free of forces; c) immediately after the second tool, the tube is gripped by the jaws of a clamping unit which conveys the tube without rotation.

IPC 1-7 (main, further and additional classification)

B21C 37/08; B21C 37/083

IPC 8 full level (invention and additional information)

G02B 6/44 (2006.01); **B21C 37/08** (2006.01); **B21C 37/083** (2006.01); **B23K 26/00** (2006.01); **B23K 26/20** (2006.01); **B23K 37/053** (2006.01); B23K 101/06 (2006.01)

CPC (invention and additional information)

B21C 37/0822 (2013.01)

Cited by

CN102303202A; EP2644311A1; EP3213830A1

Designated contracting state (EPC)

AT CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family

EP 0703017 A2 19960327; EP 0703017 A3 19961113; EP 0703017 B1 20000419; AT 191868 T 20000515; AU 3281995 A 19960404; AU 686443 B2 19980205; CA 2158911 A1 19960325; CN 1068533 C 20010718; CN 1128685 A 19960814; DE 4434134 A1 19960328; DK 0703017 T3 20000710; ES 2145192 T3 20000701; FI 110997 B 20030515; FI 954503 A0 19950922; FI 954503 A 19960325; GR 3033892 T3 20001130; JP 3828599 B2 20061004; JP H08192222 A 19960730; NO 953752 D0 19950922; NO 953752 L 19960325; RU 2139159 C1 19991010; US 5613631 A 19970325