

Title (en)

METHOD AND INSTALLATION FOR INTRODUCING A CORED WIRE INTO A BATH OF MOLTEN METAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINFÜHREN EINES FÜLLDRAHTS IN EIN BAD VON SCHMELZFLÜSSIGEM METALL

Title (fr)

PROCEDE ET INSTALLATION POUR L'INTRODUCTION D'UN FIL FOURRE DANS UN BAIN DE METAL EN FUSION

Publication

EP 2082069 A2 20090729 (FR)

Application

EP 07858504 A 20071003

Priority

- FR 2007052072 W 20071003
- FR 0654072 A 20061003

Abstract (en)

[origin: FR2906538A1] In the introduction of an insertion wire (2) into a molten metal bath (3) by extracting the wire from a reel (9) and guiding the wire into the bath via a path partially formed by a guiding tube (13) with a distal end (32) at a specific height (H) above the bath surface (P-P'), the wire is straightened without altering its circular section and guided to cause vertical introduction and penetration into the depths of the bath. An independent claim is included for a corresponding insertion wire introduction plant with a guide (12) for wire extracted from the core of a reel (9) and a wire guiding tube (13) (with the distal end located as above), where the guiding tube is vertical and has a device (12) for straightening the wire before its entry into the guiding tube, so that the wire is directed in a straight line without altering its circular section.

IPC 8 full level

C21C 7/00 (2006.01); **B21F 1/02** (2006.01)

CPC (source: EP KR US)

B21F 1/02 (2013.01 - EP US); **B21F 23/00** (2013.01 - EP US); **C21C 7/0056** (2013.01 - EP US); **C22C 33/04** (2013.01 - KR)

Citation (search report)

See references of WO 2008040915A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2906538 A1 20080404; **FR 2906538 B1 20101029**; BR PI0715301 A2 20130611; BR PI0715301 B1 20150908; CA 2665307 A1 20080410; CA 2665307 C 20121204; CN 101558171 A 20091014; CN 104087712 A 20141008; EG 26821 A 20141008; EP 2082069 A2 20090729; EP 2082069 B1 20190417; ES 2735973 T3 20191223; JP 2010506042 A 20100225; JP 5612858 B2 20141022; KR 101216548 B1 20121231; KR 20090086065 A 20090810; MX 2009003633 A 20090722; MY 165403 A 20180321; PL 2082069 T3 20191031; RU 2009116437 A 20101110; RU 2427651 C2 20110827; TR 201910376 T4 20190821; UA 94965 C2 20110625; US 2010005927 A1 20100114; US 8282704 B2 20121009; WO 2008040915 A2 20080410; WO 2008040915 A3 20080717; ZA 200902380 B 20100428

DOCDB simple family (application)

FR 0654072 A 20061003; BR PI0715301 A 20071003; CA 2665307 A 20071003; CN 200780042433 A 20071003; CN 201410049183 A 20071003; EG 2009040448 A 20090405; EP 07858504 A 20071003; ES 07858504 T 20071003; FR 2007052072 W 20071003; JP 2009530919 A 20071003; KR 20097009131 A 20071003; MX 2009003633 A 20071003; MY PI20092805 A 20071003; PL 07858504 T 20071003; RU 2009116437 A 20071003; TR 201910376 T 20071003; UA A200904294 A 20071003; US 44405207 A 20071003; ZA 200902380 A 20090406