

Title (en)
LADLE PIPE FOR LIQUID METAL CASTING PLANT

Title (de)
GIESSPFANNENROHR FÜR FLÜSSIGMETALLGUSSANLAGE

Title (fr)
TUBE DE POCHE POUR INSTALLATION DE COULEE DE METAL LIQUIDE

Publication
EP 2367648 B1 20130102 (FR)

Application
EP 09760743 A 20091119

Priority

- EP 2009008243 W 20091119
- EP 08169499 A 20081120
- EP 09760743 A 20091119

Abstract (en)
[origin: WO2010057639A1] The present invention relates to a ladle pipe (10) for liquid metal casting, that includes a channel (11) for the metal flow extending substantially along an axis, and a metal envelope (17) provided in an end portion of the pipe corresponding to an end of the channel, characterised in that the envelope (17) includes at least one belt (18) having a thickness no lower than 10 mm, preferably 14 mm, and in that the pipe (10) includes means (20) for connection to the driving means, the connection means being provided on the envelope (17) and in particular on the belt (18) thereof.

IPC 8 full level
B22D 11/106 (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP KR US)
B22D 11/04 (2013.01 - KR); **B22D 11/10** (2013.01 - KR); **B22D 11/106** (2013.01 - EP KR US); **B22D 41/22** (2013.01 - KR); **B22D 41/24** (2013.01 - KR); **B22D 41/44** (2013.01 - KR); **B22D 41/50** (2013.01 - EP KR US); **B22D 41/56** (2013.01 - KR)

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
RS

DOCDB simple family (publication)
WO 2010057639 A1 20100527; AU 2009317592 A1 20110707; AU 2009317592 B2 20140522; BR PI0922006 A2 20151215; BR PI0922006 B1 20170328; CA 2742862 A1 20100527; CA 2742862 C 20160830; CN 102281969 A 20111214; CN 102281969 B 20140507; DK 2367648 T3 20130325; EG 26547 A 20140211; EP 2367648 A1 20110928; EP 2367648 B1 20130102; ES 2402234 T3 20130430; JP 2012509185 A 20120419; JP 5421385 B2 20140219; KR 101689901 B1 20161226; KR 20110089188 A 20110804; MX 2011005339 A 20110616; MY 161669 A 20170515; NZ 593478 A 20121026; PL 2367648 T3 20130531; PT 2367648 E 20130404; RS 52686 B 20130830; RU 2011124590 A 20121227; RU 2516020 C2 20140520; SI 2367648 T1 20130329; UA 100608 C2 20130110; US 2011248055 A1 20111013; US 9174277 B2 20151103; ZA 201104536 B 20120829

DOCDB simple family (application)
EP 2009008243 W 20091119; AU 2009317592 A 20091119; BR PI0922006 A 20091119; CA 2742862 A 20091119; CN 200980155159 A 20091119; DK 09760743 T 20091119; EG 2011050776 A 20110517; EP 09760743 A 20091119; ES 09760743 T 20091119; JP 2011536775 A 20091119; KR 20117014199 A 20091119; MX 2011005339 A 20091119; MY PI2011002111 A 20091119; NZ 59347809 A 20091119; PL 09760743 T 20091119; PT 09760743 T 20091119; RS P20130083 A 20091119; RU 2011124590 A 20091119; SI 200930490 T 20091119; UA A201107607 A 20091119; US 200913130189 A 20091119; ZA 201104536 A 20110620