

Title (en)
METHOD FOR PRODUCING BALLAST BODIES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON SCHOTTERKÖRPERN

Title (fr)
PROCÉDÉ DE FABRICATION DE CORPS DE BALLAST

Publication
EP 2751337 A1 20140709 (DE)

Application
EP 12766602 A 20120827

Priority
• DE 102011081991 A 20110901
• EP 2012066598 W 20120827

Abstract (en)
[origin: WO2013030149A1] The invention relates to a method for producing load transferring regions in a ballast body of a track superstructure by introducing curable liquid plastics or reactive plastic mixtures from a mixing unit by means of at least two distributor pipes with outlets into the load transferring regions and allowing the plastic or the reactive plastic mixture to cure in said load transferring regions. The two distributor pipes with outlets are positioned on the left or on the right from the outside of the rails into the region between the two rails such that the outlets are located adjacent to each other and are laterally spaced from the front face (3) of the tie (2) that has the load transferring region to be reinforced. The two outlets are opened in order to allow the plastic or the reactive plastic mixture to exit at a controlled rate. Each distributor pipe outlet is guided to the respective end face (4, 4') of the tie (2) from the inside to the outside in a lateral manner with respect to the front face (3) of the tie (2) and around the respective end face (4, 4') of the tie (2) to the rear face (5) of the tie (2). The distributor pipe outlets are guided in a lateral manner along the rear face (5) of the tie (2) into the region between the two rails (9, 9') such that the outlets are located adjacent to each other and are laterally spaced from the rear face (5) of the tie (2).

IPC 8 full level
E01B 1/00 (2006.01)

CPC (source: EP RU US)
E01B 1/00 (2013.01 - RU); **E01B 1/001** (2013.01 - EP US); **E01B 3/44** (2013.01 - US); **E01B 27/02** (2013.01 - US)

Citation (search report)
See references of WO 2013030149A1

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

DOCDB simple family (publication)
WO 2013030149 A1 20130307; AU 2012301062 A1 20140313; AU 2012301062 B2 20170202; BR 112014004851 A2 20170404;
CN 103764912 A 20140430; CN 103764912 B 20160817; EP 2751337 A1 20140709; EP 2751337 B1 20170315; RU 2014111847 A 20151010;
RU 2604749 C2 20161210; US 2014300015 A1 20141009; US 9562332 B2 20170207

DOCDB simple family (application)
EP 2012066598 W 20120827; AU 2012301062 A 20120827; BR 112014004851 A 20120827; CN 201280042729 A 20120827;
EP 12766602 A 20120827; RU 2014111847 A 20120827; US 201214241991 A 20120827