Title (en)
CONCRETE SLEEPER AND METHOD FOR PRODUCING THE SAME

Title (de)
BETONSCHWELLE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
TRAVERSE EN BÉTON ET SON PROCÉDÉ DE FABRICATION

Publication
EP 2118370 B1 20131127 (DE)

Application
EP 08700840 A 20080103

Priority
• DE 2008000002 W 20080103
• DE 102007008704 A 20070220

Abstract (en)
[origin: US2010181699A1] Method of manufacturing a concrete sleeper, comprising the following steps: insertion of pre-stressing rods into a sleeper mould, simultaneous automated tensioning of the individual pre-stressing rods, filling of the sleeper mould with concrete, leaving of the concrete to harden, removal of the concrete sleeper from the mould, wherein for one concrete sleeper more than four, in particular five to eight, pre-stressing rods are used and the pre-stressing rods are tensioned individually yet simultaneously.

IPC 8 full level
E01B 3/34 (2006.01); **B28B 23/02** (2006.01); **B28B 23/06** (2006.01)

CPC (source: EP KR US)
B28B 23/043 (2013.01 - EP KR US); **B28B 23/06** (2013.01 - EP KR US); **E01B 3/34** (2013.01 - EP KR US)

Cited by
RU185762U1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
RS

DOCDB simple family (publication)
US 2010181699 A1 20100722; AP 2009004976 A0 20091031; AR 064768 A1 20090422; AU 2008217392 A1 20080828; AU 2008217392 A2 20091015; AU 2008217392 B2 20111013; BR PI0807741 A2 20140603; CA 2678770 A1 20080828; CL 2007003568 A1 20080822; CN 101646824 A 20100210; DE 102007008704 A1 20080821; DE 102007008704 B4 20140417; EA 014846 B1 20110228; EA 200970727 A1 20100226; EP 2118370 A1 20091118; EP 2118370 B1 20131127; ES 2445646 T3 20140304; IL 200493 A0 20100429; JP 2010519435 A 20100603; KR 20090115759 A 20091105; MA 31247 B1 20100301; MX 2009008950 A 20091105; PL 2118370 T3 20140530; RS 53181 B 20140630; TN 2009000346 A1 20101231; WO 2008101453 A1 20080828; ZA 200906047 B 20100526

DOCDB simple family (application)
US 52795508 A 20080103; AP 2009004976 A 20080103; AR P080100052 A 20080107; AU 2008217392 A 20080103; BR PI0807741 A 20080103; CA 2678770 A 20080103; CL 2007003568 A 20071210; CN 200880009928 A 20080103; DE 102007008704 A 20070220; DE 2008000002 W 20080103; EA 200970727 A 20080103; EP 08700840 A 20080103; ES 08700840 T 20080103; IL 20049309 A 20090819; JP 2009550198 A 20080103; KR 20097019614 A 20080103; MA 32213 A 20090910; MX 2009008950 A 20080103; PL 08700840 T 20080103; RS P20140045 A 20080103; TN 2009000346 A 20090819; ZA 200906047 A 20090901