

Title (en)

MOVABLE CONCRETE PUMP AND METHOD FOR USE THEREOF IN THE TRANSPORT STATE

Title (de)

FAHRBARE BETONPUMPE SOWIE VERFAHREN FÜR DEREN EINSATZ IM TRANSPORTZUSTAND

Title (fr)

POMPE À BÉTON MOBILE ET PROCÉDÉ POUR LEUR UTILISATION À L'ÉTAT DE TRANSPORT

Publication

EP 2867531 B1 20160803 (DE)

Application

EP 13726559 A 20130605

Priority

- DE 102012211367 A 20120629
- EP 2013061532 W 20130605

Abstract (en)

[origin: WO2014001040A1] The invention relates to a method for using a mobile concrete pump which comprises two conveying cylinders (70, 80), the conveying pistons (72, 82) of which are connected rigidly to the drive piston (71, 81) of an associated working cylinder (7, 8) via in each case one common piston rod (73, 83). In the operating state, the conveying pistons (72, 82) are driven in a push/pull manner by means of a hydraulic pump arrangement (44, 45) with conveying of concrete from a material feed container (32) into a conveying line (50), by the drive pistons (71, 81) being moved to and fro in opposite directions in the working cylinders (7, 8) thereof between the rod-side and head-side end positions thereof. In order, in the transport state, for it to be possible to carry out a displacement of the centroid in the direction of the front axle (13) or rear axle (18) using simple means, it is proposed according to the invention that, in the transport state of the concrete pump, the drive pistons (71, 81) are moved jointly into the head-side or rod-side end position thereof and are held there.

IPC 8 full level

F04B 15/02 (2006.01)

CPC (source: EP KR)

F04B 15/02 (2013.01 - EP KR)

Cited by

WO2024218012A1; DE102019107833A1; WO2020193601A1; DE102023110126B3

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)

DE 102012211367 A1 20140102; BR 112014024995 A2 20170620; BR 112014024995 B1 202111013; CN 104302911 A 20150121; CN 104302911 B 20161026; EP 2867531 A1 20150506; EP 2867531 B1 20160803; JP 2015521714 A 20150730; JP 6122954 B2 20170426; KR 102054027 B1 20191209; KR 20150032932 A 20150331; WO 2014001040 A1 20140103

DOCDB simple family (application)

DE 102012211367 A 20120629; BR 112014024995 A 20130605; CN 201380025624 A 20130605; EP 13726559 A 20130605; EP 2013061532 W 20130605; JP 2015518938 A 20130605; KR 20147032651 A 20130605