

Title (en)  
DISTRIBUTING BOOM FOR CONCRETE PUMPS

Title (de)  
VERTEILERMAST FÜR BETONPUMPEN

Title (fr)  
MÂT DISTRIBUTEUR POUR DES POMPES À BÉTON

Publication  
**EP 2729645 B1 20151118 (DE)**

Application  
**EP 12727373 A 20120614**

Priority  
• DE 102011078783 A 20110707  
• EP 2012061245 W 20120614

Abstract (en)  
[origin: WO2013004460A1] The invention relates to a distributing boom (14) for stationary or mobile concrete pumps. The distributing boom (14) consists substantially of a rotary head (22), which can be rotated about an axis of rotation (18) in the form of a vertical axis, and of an arm assembly (24), which is made up of a plurality of boom arms which can be telescoped or pivoted relative to one another. The arm assembly (24) has the one end of its first boom arm (1) articulated on the rotary head (22) and, by means of a first cylinder/piston unit (32), which has its ends articulated at points of articulation (28, 30) of the rotary head (22) and of the first boom arm (1), can be pivoted, about a horizontal axis of inflection (A), between a substantially horizontally oriented retracted position and an operating position. It is an aim of the invention to provide measures which make it possible for the cylinder/piston unit (32), which acts on the first boom arm (1), to be reduced in size. In order to achieve this, the invention proposes that the first boom arm (1) has acting on it at least one displacement-assisting element (36), which is effective over a defined pivoting range, starting from the retracted position of the boom arm.

IPC 8 full level  
**B66C 23/00** (2006.01); **E04G 21/04** (2006.01)

CPC (source: EP KR RU US)  
**B66C 23/54** (2013.01 - EP US); **B66C 23/62** (2013.01 - KR RU); **E04G 21/04** (2013.01 - KR); **E04G 21/0418** (2013.01 - US); **E04G 21/0427** (2013.01 - EP RU US); **E04G 21/0436** (2013.01 - EP US); **E04G 21/0445** (2013.01 - EP US); **F04B 15/02** (2013.01 - KR); **Y10T 137/8807** (2015.04 - EP US)

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 102011078783 A1 20130110**; CN 103649442 A 20140319; CN 103649442 B 20160817; EP 2729645 A1 20140514; EP 2729645 B1 20151118; JP 2014524995 A 20140925; JP 6106665 B2 20170405; KR 102087446 B1 20200311; KR 20140045958 A 20140417; RU 2014104229 A 20150820; RU 2623379 C2 20170626; UA 110842 C2 20160225; US 2014096853 A1 20140410; US 9062465 B2 20150623; WO 2013004460 A1 20130110

DOCDB simple family (application)  
**DE 102011078783 A 20110707**; CN 201280033654 A 20120614; EP 12727373 A 20120614; EP 2012061245 W 20120614; JP 2014517571 A 20120614; KR 20137034447 A 20120614; RU 2014104229 A 20120614; UA A201401159 A 20120614; US 201214124304 A 20120614