

Title (en)
CONCRETE DISPENSING BOOM FOR CONCRETE PUMPS

Title (de)
BETONVERTEILERMAST FÜR BETONPUMPEN

Title (fr)
MÂT DISTRIBUTEUR DE BÉTON POUR DES POMPES À BÉTON

Publication
EP 2880229 B1 20160907 (DE)

Application
EP 13739458 A 20130723

Priority
• DE 102012213729 A 20120802
• EP 2013065468 W 20130723

Abstract (en)
[origin: WO2014019885A1] A concrete dispensing boom for stationary and mobile concrete pumps has a plurality of boom arms (22), connected to one another at joints, and a concrete conveying line consisting of a plurality of pipe segments (30) preferably connected to one another in an articulated manner via pipe bends and rotary couplings. Said pipe segments run along the individual boom arms (22) and are attached to these boom arms. At least one of the boom arms (22) has a hollow chamber profile which has at least two hollow chambers (24, 26) separated from one another by a separating wall (38), at least one of which chambers is a closed chamber (24) and one (26) is open at the periphery. The pipe segment (30) allocated to the boom arm (22) concerned is disposed on the opening side outside, partially inside or inside the open hollow chamber (26).

IPC 8 full level
E04G 21/04 (2006.01)

CPC (source: EP KR US)
E04G 21/0427 (2013.01 - US); **E04G 21/0436** (2013.01 - EP KR US); **E04G 21/0445** (2013.01 - EP KR US); **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)
WO 2014019885 A1 20140206; BR 112015001930 A2 20170704; CN 104641058 A 20150520; CN 104641058 B 20160928; DE 102012213729 A1 20140206; EP 2880229 A1 20150610; EP 2880229 B1 20160907; JP 2015527510 A 20150917; JP 6031605 B2 20161124; KR 20150033720 A 20150401; US 2015136266 A1 20150521; US 9512628 B2 20161206

DOCDB simple family (application)
EP 2013065468 W 20130723; BR 112015001930 A 20130723; CN 201380048186 A 20130723; DE 102012213729 A 20120802; EP 13739458 A 20130723; JP 2015524715 A 20130723; KR 20157003234 A 20130723; US 201514610654 A 20150130