

Title (en)
Crane control system

Title (de)
Kransteuerungssystem

Title (fr)
Système de commande de grue

Publication
EP 2551232 A1 20130130 (DE)

Application
EP 12005495 A 20120727

Priority
DE 102011108851 A 20110728

Abstract (en)
The system (10) has two pumping units (13', 13'') and two split control blocks (15', 15'') to supply a hydraulic load of a crane with a hydraulic medium. One of the pumping units is connected to one of the split control blocks and driven by hydraulic pressure. The other pumping unit is connected to the other split control block and driven by another hydraulic pressure. A valve unit (50) is arranged between the split control blocks. The split control blocks are hydraulically connected to and disconnected from the valve unit.

Abstract (de)
Die vorliegende Erfindung betrifft ein Kransteuerungssystem zur Ansteuerung und/oder zur hydraulischen Versorgung hydraulischer Verbraucher (4, 5, 6, 7) eines Kranes (1) sowie einen Kran (1) mit wenigstens einem Kransteuerungssystem.

IPC 8 full level
B66C 13/20 (2006.01); **F15B 11/02** (2006.01)

CPC (source: EP US)
B66C 13/20 (2013.01 - EP US); **F15B 11/17** (2013.01 - US); **F15B 21/082** (2013.01 - US); **F15B 21/087** (2013.01 - US);
Y10T 137/85986 (2015.04 - EP US)

Citation (search report)
• [XYI] DE 112009001293 T5 20110414 - KAYABA INDUSTRY CO LTD [JP]
• [YA] DE 3901207 A1 19900719 - REXROTH MANNESMANN GMBH [DE]
• [YA] JP 2008014405 A 20080124 - NABTESCO CORP
• [A] CN 201670659 U 20101215 - YU LU
• [A] EP 0422821 A1 19910417 - MANITOWOC CO [US]
• [A] EP 1176115 A1 20020130 - KOBELCO CONSTR MACHINERY LTD [JP]
• [A] EP 2151526 A1 20100210 - VOLVO CONSTR EQUIP HOLDING SE [SE]
• [A] JP 2011052372 A 20110317 - CATERPILLAR SARL
• [A] EP 0481120 A1 19920422 - KOBE STEEL LTD [JP]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2551232 A1 20130130; EP 2551232 B1 20131120; CN 102897668 A 20130130; CN 102897668 B 20160601;
DE 102011108851 A1 20130131; US 2013026123 A1 20130131; US 9096414 B2 20150804

DOCDB simple family (application)
EP 12005495 A 20120727; CN 201210269623 A 20120730; DE 102011108851 A 20110728; US 201213559012 A 20120726