

Title (en)
WORK MACHINE

Title (de)
ARBEITSMASCHINE

Title (fr)
MACHINE DE TRAVAIL

Publication
EP 3180485 B2 20221130 (DE)

Application
EP 15744222 A 20150730

Priority
• DE 102014215946 A 20140812
• EP 2015067474 W 20150730

Abstract (en)
[origin: WO2016023759A1] The invention relates to a work machine (10) with a chassis, with a mast block (14) which is mounted on the chassis and has a rotary head (12) which can be rotated about a vertical axis of rotation, and with a mast (16) which has at least two mast arms (20, 22, 24, 26), wherein each of the mast arms (20, 22, 24), with the exception of a last mast arm (26) which has a free end (30), is pivotably connected, starting from a first mast arm (20), to the respectively following mast arm (22, 24, 26) by means of an articulation (28), and wherein the first mast arm (20) is mounted on the rotary head (12) so as to be pivotable about a horizontal pivot axis. According to the invention, at least one chassis-mounted supporting device (44) is provided which has a supporting surface (46) on which a component of the articulation (28) or a component of one of the articulations (28) is supported.

IPC 8 full level
E04G 21/04 (2006.01); **B66C 23/62** (2006.01)

CPC (source: CN EP KR US)
B66C 23/54 (2013.01 - EP); **B66C 23/62** (2013.01 - EP KR US); **E04G 21/0436** (2013.01 - CN EP US); **E04G 21/0445** (2013.01 - CN EP KR US); **B66C 23/68** (2013.01 - US); **E02F 3/38** (2013.01 - 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 102014215946 A1 20160218; BR 112017002495 A2 201711205; CN 106922156 A 20170704; CN 106922156 B 20190628; EP 3180485 A1 20170621; EP 3180485 B1 20180502; EP 3180485 B2 20221130; JP 2017533356 A 20171109; JP 6691910 B2 20200513; KR 102301780 B1 20210914; KR 20170041869 A 20170417; TR 201807929 T4 20180621; US 10047532 B2 20180814; US 2017152669 A1 20170601; WO 2016023759 A1 20160218

DOCDB simple family (application)
DE 102014215946 A 20140812; BR 112017002495 A 20150730; CN 201580043013 A 20150730; EP 15744222 A 20150730; EP 2015067474 W 20150730; JP 2017507760 A 20150730; KR 20177006700 A 20150730; TR 201807929 T 20150730; US 201715428863 A 20170209