

Title (en)
MOBILE CRANE

Title (de)
MOBILKRAN

Title (fr)
GRUE MOBILE

Publication
EP 4357293 A2 20240424 (EN)

Application
EP 24162948 A 20190712

Priority

- JP 2018133634 A 20180713
- JP 2018133635 A 20180713
- JP 2018133636 A 20180713
- JP 2018133637 A 20180713
- EP 19834030 A 20190712
- JP 2019027731 W 20190712

Abstract (en)
A mobile crane (10) includes: a lower traveling body (11) including a pair of crawlers (3) each extending in forward and rearward directions and spaced apart from each other in leftward and rightward directions; an upper slewing body (12) supported on the lower traveling body (11) slewably about a slewing axis (C); a tiltable attachment including a boom (14) tiltably supported on the upper slewing body (12); and a physical quantity detector. The lower traveling body (11) has a reaction force receiving part for receiving a reaction force from the ground at a position away from the slewing axis (C) in a boom direction in a state where the pair of crawlers (3) are in contact with the ground, the boom direction coinciding with a horizontal component of a direction in which the boom extends from the upper slewing body, and the physical quantity detector is configured to detect a physical quantity which changes in accordance with a change in the reaction force received from the ground by the reaction force receiving part.

IPC 8 full level
B66C 23/90 (2006.01); **B66C 23/80** (2006.01)

CPC (source: EP)
B66C 23/80 (2013.01); **B66C 23/905** (2013.01)

Citation (applicant)

- JP 2016221993 A 20161228 - HITACHI SUMITOMO HEAVY IND CONSTRUCTION CRANE CO LTD
- JP 2014162607 A 20140908 - IHI CONSTRUCTION MACHINERY LTD
- EP 19834030 A 20190712
- EP 3805142 A1 20210414 - KOBELCO CONSTR MACH CO LTD [JP]

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