

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]

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)  
**EP 3805142 A1 20210414**; **EP 3805142 A4 20210901**; **EP 3805142 B1 20240501**; EP 4357293 A2 20240424; EP 4357293 A3 20240717

DOCDB simple family (application)  
**EP 19834030 A 20190712**; EP 24162948 A 20190712