

Title (en)

Mobile crane with an overload protection device

Title (de)

Kranfahrzeug mit einer Überlastsicherungseinrichtung

Title (fr)

Grue mobile avec un appareil de sécurité anti-surcharge

Publication

EP 0779237 B1 20011010 (DE)

Application

EP 96118130 A 19961112

Priority

DE 29519928 U 19951215

Abstract (en)

[origin: EP0779237A2] The mobile crane has overload-protection equipment, and has a jib which is hinged to the upper body, and which is preferably telescopic. The lower body (1) has sliding rails (2) which can extend from opposing end regions of its longitudinal sides, and from whose ends supporting feet (3) can extend. The angle of rotation of the jib is measured by equipment whose output signal is fed to a processor in the protection equipment. The latter generates a warning signal and/or stops the operation of the crane, if the stability limits are approached or exceeded. The state or length of extension of the rail is sensed by equipment, which feeds a corresponding signal to the protection equipment. The processor determines the stability produced by the rails in each angular position of the jib, using the signals from the sensor, and from the equipment which measures the angle of rotation of the jib.

IPC 1-7

B66C 23/90

IPC 8 full level

B66C 23/90 (2006.01)

CPC (source: EP KR US)

B66C 23/88 (2013.01 - KR); **B66C 23/90** (2013.01 - EP US)

Cited by

EP1925585A1; CN109592567A; CN105271025A; CN103043581A; IT201700037143A1; CN108892038A; DE202006017724U1; DE102011119654B4; US11623848B2; US11142438B2; WO2018185632A1; DE102011119654A1

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DE 29519928 U 19951215; DE 59607876 T 19961112; EP 96118130 A 19961112; JP 33567196 A 19961216; KR 19960064722 A 19961212; US 93918897 A 19970929