

Title (en)

MOBILE CRANE AND METHOD FOR ANGLING A MAIN BOOM EXTENSION IN RELATION TO A MAIN BOOM OF A MOBILE CRANE

Title (de)

MOBILKRAN UND VERFAHREN ZUM ABWINKELN EINER HAUPTAUSLEGERVERLÄNGERUNG RELATIV ZU EINEM HAUPTAUSLEGER EINES MOBILKRANS

Title (fr)

GRUE MOBILE ET PROCÉDÉ POUR PERMETTRE UN DÉPLACEMENT ANGULAIRE D'UNE RALLONGE DE FLÈCHE PRINCIPALE PAR RAPPORT À UNE FLÈCHE PRINCIPALE D'UNE GRUE MOBILE

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Application

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Abstract (en)

[origin: WO2017089353A1] The invention relates to a mobile crane having a main jib (1), which is mounted tiltably thereon and can be erected by means of a tilting cylinder (3), and having a main jib extension (4) which is connected releasably to a main jib head (1a) of the main jib (1) by means of upper bolts (7) and lower bolts, wherein, starting from a normal position, after release of the upper bolts (7), the main jib extension (4) can be angled about a tilting axis (W) relative to the main jib (1) by means of an angling drive, and the angling drive engages on a foot (4d) of the main jib extension (4), wherein a drive of the mobile crane, which is provided for another purpose, supplies the kinetic energy for the angling drive. In order to simplify bending of the main jib extension, according to the invention, the angling drive comprises a lever element (5) having two lever arms (5a, 5b), wherein the lever element (5) is mounted pivotably on the upper chord (4a) of the main jib extension (4), the first lever arm (5a) is connected to a lifting cable (11) of the lifting gear (14) for the operation of the angling drive and engages on the main jib head (1a) by means of the second lever arm (5b).

IPC 8 full level

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