

Title (en)

Method and device for limiting lifting moment of a loading crane

Title (de)

Verfahren und Vorrichtung zur Lastmomentbegrenzung eines Ladekrans

Title (fr)

Procédé et dispositif de limitation de couple d'une grue de chargement

Publication

EP 2298689 A2 20110323 (EN)

Application

EP 10177616 A 20100920

Priority

SE 0901212 A 20090922

Abstract (en)

The invention relates to a lorry provided with a hydraulic crane (20) and support legs (4 1 -4 4), the respective support leg being manoeuvrable by means of a force member (6) to an active support position. An electronic regulating device (30) checks whether one or more stability conditions are fulfilled with a lifting moment of the crane corresponding to a maximum allowed value for the lifting moment of the crane and establishes a reduced value for the maximum allowed lifting moment if said stability conditions are not fulfilled, taking into account the horizontal extension length of the respective support leg that is in the active support position, the slewing angle of the column (21) of the crane in relation to the chassis (3) of the lorry, and the force exerted by the force member of the respective support leg that is in the active support position and is not included in the prevailing tipping line of the lorry.

IPC 8 full level

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Cited by

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Designated contracting state (EPC)

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