

Title (en)

VEHICLE CRANE INSTALLATION WITH LIMITER MEANS

Title (de)

ANORDNUNG EINES FAHRZEUGKRANES MIT BEGRENZUNGSMITTEL

Title (fr)

INSTALLATION D'UNE GRUE DE VEHICULE POURVUE D'UN LIMITEUR

Publication

**EP 1119514 A1 20010801 (EN)**

Application

**EP 99913134 A 19990422**

Priority

- DK 9900228 W 19990422
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Abstract (en)

[origin: WO9957057A1] Hydraulic truck cranes of the swinging jib type may potentially be operated in such an inappropriate manner that the truck may simply turn over. In order to prevent this, it is known to introduce certain operational limitations which will ensure the stability of the truck already when the bed of the truck is empty. However, skilled operators find such limitations unduly restrictive, in that for example by first placing a part-load at a suitable place on the bed of the truck, its is perfectly possible to continue by picking up another part-load which could not be loaded safely if the bed of the truck were empty. With the invention, this security problem is solved in a more naturalistic manner, in that the limitation means are not made operative until an inclinometer detects when the truck tilts to such a degree that there is a real risk of it actually tilting over. The inclinometer is arranged to be reset to zero by the truck assuming a natural tilt when standing on a non-horizontal support surface, such that a certain natural tilting of the truck will not, per se, introduce undue limitations or risk in the operational conditions.

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IPC 8 full level

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