

Title (en)  
HOISTING GEAR WITH DEVICE FOR DETERMINING THE LOAD

Title (de)  
HUBWERK MIT EINRICHTUNG ZUR LASTERFASSUNG

Title (fr)  
TREUIL DE LEVAGE AVEC DISPOSITIF POUR DETERMINER LA CHARGE

Publication  
**EP 1472175 A1 20041103 (DE)**

Application  
**EP 03704562 A 20030206**

Priority

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- EP 0301191 W 20030206

Abstract (en)  
[origin: WO03066505A1] The invention relates to a device for detecting the load on a hoisting gear (4) of a crane for transporting a container. Said device comprises a cable drum (4.1,4.2), a drive motor (9), and a hoisting gear (8) arranged between the drive motor and the cable drum. The hoisting gear housing is pivotably mounted about an axis extending in a parallel manner in relation to the cable drum axis and is supported on the opposite end on at least one torque converter bearing (12) which is associated with a measuring device (15) for indirect detection of an overhead load on the cables (5.1-5.4). According to the invention, in order to produce a device for detecting the load on a hoisting gear, one respective load cable of each pair of load cables is guided on a common first substantially horizontally extending load guiding plane tangent to the double cable drums and is deflected on a vertical level by deflection rollers and the other two load cables of each pair of load cables are guided vertically on a common second load guiding plane which is tangent to the double cable drums in a hoisting device consisting of two synchronously drivable double cable drums having the same axis, respectively provided with a pair of load cables which can be wound up and down in the same direction.

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