Title (en)

Method for measuring loads for cranes

Title (de)

Verfahren zur Traglastermittlung bei Kranen

Title (fr)

Procédé de mésure de charge pour grue

Publication

EP 1748021 B2 20210602 (DE)

Application

EP 06014597 A 20060713

Priority

DE 102005035460 A 20050728

Abstract (en)

[origin: EP1748021A2] The method involves using two or more parameters wherein the load for the value of the first parameter with different values of the second parameter is determined through calculation or interpolation or extrapolation based on the known values of the load with specific values of the first parameter. In a second step the load for the value of the second parameter based on the values of the load determined in the first stage for different values of the second parameter is implemented through calculation or through interpolation or extrapolation. The carrying load can be determined through calculation using a formula connection between the carrying load and parameters. The parameters can be inputted by hand or detected by sensors and then used as the basis for determining the carrying load. Independent claim describes crane with means for determining permissible load.

IPC 8 full level

B66C 23/90 (2006.01)

CPC (source: EP US)

B66C 23/905 (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 2910057 A1 19800925 - PIETZSCH LUDWIG
- DE 2635974 A1 19780223 - PRECILEC SA

Cited by

DE102016104358B4; US9126812B2; US9957141B2; EP3219662A1; DE102016104358A1; US11161721B2

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 1748021 A2 20070131; **EP 1748021 A3 20080109**; **EP 1748021 B1 20120111**; **EP 1748021 B2 20210602**; DE 102005035460 A1 20070201; JP 2007031155 A 20070208; JP 5512912 B2 20140604; US 2007027613 A1 20070201; US 2010250153 A1 20100930; US 9126812 B2 20150908; US 9957141 B2 20180501

DOCDB simple family (application)

EP 06014597 A 20060713; DE 102005035460 A 20050728; JP 2006204584 A 20060727; US 49426306 A 20060726; US 79740510 A 20100609