

Title (en)

SYSTEM AND METHOD FOR MEASURING A HORIZONTAL DEVIATION OF A LOAD RECEIVING ELEMENT

Title (de)

SYSTEM UND VERFAHREN ZUR MESSUNG EINER HORIZONTAL EN AUSLENKUNG EINES LASTAUFNAHMEMITTELS

Title (fr)

SYSTEME ET PROCEDE POUR MESURER LA DEVIATION HORIZONTALE D'UN SUPPORT DE CHARGE

Publication

EP 1390286 B1 20080213 (DE)

Application

EP 02753047 A 20020508

Priority

- DE 10122142 A 20010508
- EP 0205102 W 20020508

Abstract (en)

[origin: US2004149056A1] The aim of the invention is to provide a system and a method which surmounts the problems of prior art. According to the inventive system and method for measuring horizontal deviation of a load receiving element in relation to a position of a hoist traveling trolley, the load receiving element is suspendedly arranged on a plurality of supporting cables on said hoist traveling trolley and least two cable length sensors are provided, said sensors being operatively connected to a data processing means, preferably a processor. The cables of the at least two cable length sensors are disposed between the hoist traveling trolley and the load receiving element in such a way that a computer unit which is connected to the data processing means determines the horizontal deviation of the load receiving element in relation to the position of the hoist traveling trolley for the length of the respective cables of the cable length sensors.

IPC 8 full level

B66C 13/06 (2006.01)

CPC (source: EP US)

B66C 13/063 (2013.01 - EP US)

Cited by

WO2020239462A1; DE102017119928A1; WO2018060177A1; EP2119661A2; DE102008023410A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2004149056 A1 20040805; US 6962091 B2 20051108; AT E385990 T1 20080315; DE 10122142 A1 20021121; DE 20108207 U1 20020110; DE 50211677 D1 20080327; EP 1390286 A1 20040225; EP 1390286 B1 20080213; ES 2301663 T3 20080701; PT 1390286 E 20080520; WO 02090234 A1 20021114

DOCDB simple family (application)

US 70562803 A 20031110; AT 02753047 T 20020508; DE 10122142 A 20010508; DE 20108207 U 20010508; DE 50211677 T 20020508; EP 0205102 W 20020508; EP 02753047 A 20020508; ES 02753047 T 20020508; PT 02753047 T 20020508