

Title (en)
Device for measuring a horizontal deflection of a load bearer swinging on support ropes

Title (de)
Vorrichtung zur Messung einer horizontalen Auslenkung eines an Tragseilen pendelbar aufgehängten Lastaufnahmemittels

Title (fr)
Dispositif de mesure d'une déviation horizontale d'un moyen de réception de charge suspendu de manière oscillante sur des câbles de portage

Publication
EP 2119661 A3 20120509 (DE)

Application
EP 09006210 A 20090507

Priority
DE 102008023410 A 20080514

Abstract (en)
[origin: EP2119661A2] The assembly at a crane to measure the horizontal position of a swinging load (2) carried by suspension cables (4,6) at the overhead crane (16) registers the horizontal gap (A) at least at one cable between the suspension points (12,14) and the load mounting points (8,10) in relation to a reference point (P). The measurements are taken at the load, using an optical laser aligned at a reflection surface at the cable, with a receiver to take the reflected light. The receiver has a data link to a control to correct the load position.

IPC 8 full level
B66C 13/06 (2006.01); **B66F 9/07** (2006.01)

CPC (source: EP)
B66C 13/063 (2013.01)

Citation (search report)

- [X1] EP 0846648 A1 19980610 - MITSUBISHI HEAVY IND LTD [JP]
- [XD] DE 19836103 A1 20000224 - SIEMENS AG [DE]
- [AD] DE 10122142 A1 20021121 - KRUSCHE LAGERTECHNIK AG [DE]

Cited by
WO2020239462A1; DE102017119928A1; WO2018060177A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2119661 A2 20091118; EP 2119661 A3 20120509; EP 2119661 B1 20130717; DE 102008023410 A1 20091119

DOCDB simple family (application)
EP 09006210 A 20090507; DE 102008023410 A 20080514