

Title (en)

A VEHICLE AND A METHOD FOR A VEHICLE, WITH PRESENTATION OF MAXIMAL LOAD RANGE LIMITATION

Title (de)

FAHRZEUG UND VERFAHREN FÜR EIN FAHRZEUG MIT DARSTELLUNG DER MAXIMALEN LASTBEREICHSBEGRENZUNG

Title (fr)

VÉHICULE ET PROCÉDÉ POUR UN VÉHICULE AVEC PRÉSENTATION DE LIMITATION DE PLAGE DE CHARGE MAXIMALE

Publication

**EP 3333114 A1 20180613 (EN)**

Application

**EP 16202749 A 20161207**

Priority

EP 16202749 A 20161207

Abstract (en)

A vehicle (2) for loading objects (20), comprising at least one sensing device (4) mounted on the vehicle (2) and being configured to capture measurement data to monitor the entire area, or a part of the area surrounding the vehicle, a processing unit (8) configured to receive said measurement data and to determine a real time overview image (10), e.g. a bird-view image, of the area surrounding the vehicle (2) based upon the measurement data, and further to generate a real time image signal (12) to be applied to a display unit (14) configured to show said real time overview image (10). A loading arrangement (24) configured to load objects (20) to and from the vehicle, at least one supporting leg (30) configured to be extended outside the vehicle to support the vehicle during a loading procedure, wherein a supporting leg extension distance ranges from 0-100% of a maximal extension distance. The processing unit (8) is further configured to receive an object parameter comprising at least a weight of the object, and to determine a maximal load range limitation for said loading arrangement (24) for at least one of the entire range of support leg extension distances in dependence of the weight of the object, and to determine a load limitation image (34) of at least one of said determined maximal load range limitation. The load limitation image (34) is a graphical illustration (32) of said at least one maximal load range limitation in relation to the vehicle, and wherein said processing unit (8) is configured to superimpose said load limitation image (34) on said shown real time overview image (10).

IPC 8 full level

**B66C 23/80** (2006.01); **B66C 23/90** (2006.01)

CPC (source: EP)

**B66C 23/80** (2013.01); **B66C 23/905** (2013.01)

Citation (applicant)

- JP 2008074594 A 20080403 - TADANO LTD
- US 2015330146 A1 20151119 - KRAEMER JENS [DE]
- EP 2952467 A1 20151209 - PALFINGER PLATFORMS GMBH [DE]
- EP 2543622 A1 20130109 - TADANO LTD [JP]

Citation (search report)

- [XDA] EP 2543622 A1 20130109 - TADANO LTD [JP]
- [X] EP 3000761 A1 20160330 - TADANO LTD [JP]
- [A] US 5823370 A 19981020 - UEDA MASAMICHI [JP]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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