

Title (en)

Lifting vehicle comprising mobile lifting arm and control device

Title (de)

Hubfahrzeug mit Hubarm und Steuervorrichtung

Title (fr)

Véhicule élévateur avec bras de levage et dispositif de commande

Publication

EP 2218674 A1 20100818 (EN)

Application

EP 10153251 A 20100211

Priority

IT TO20090100 A 20090211

Abstract (en)

A lifting vehicle (1) comprises a mobile lifting arm (3), first measuring means (16) for measuring at least one working parameter of the arm (3) and a control device (13) receiving an input signal (SJ) and configured for deriving the value of the natural frequency of vibration of the arm (3) as a function of the load and of the working range and for determining a control signal (SV) for actuating the arm (3). In particular, the signal (SV) is defined at least partially by the convolution of the input signal (SJ) with a plurality of pulses having a time delay between one another and an amplitude defined as a function at least of the first natural frequency.

IPC 8 full level

B66F 9/065 (2006.01); **B66F 17/00** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP)

B66F 9/0655 (2013.01); **B66F 17/003** (2013.01); **E02F 9/2207** (2013.01)

Citation (search report)

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- [A] WO 2008006928 A1 20080117 - ROCLA OYJ [FI], et al
- [A] US 5638267 A 19970610 - SINGHOSE WILLIAM E [US], et al
- [A] EP 1174384 A1 20020123 - TIMBERJACK OY [FI]
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CN103608282A; KR102187141B1; WO2012119985A1

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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 10153251 A 20100211; IT TO20090100 A 20090211