

Title (en)

A method for damping oscillations and a crane provided with an oscillation damper

Title (de)

Ein Verfahren zur Dämpfung von Schwingungen und ein Kran versehen mit einem Oszillationsdämpfer

Title (fr)

Une méthode d'amortissement des oscillations et une grue munie d'un amortisseur d'oscillations

Publication

**EP 2455321 A1 20120523 (EN)**

Application

**EP 11187807 A 20111104**

Priority

SE 1051216 A 20101119

Abstract (en)

In a method and a device for providing operator-independent oscillation damping in a hydraulically operated crane having a loading tool attached to a swingable jib, the swinging of the jib is driven by means of a hydraulic swing device (6) for the adjustment thereof into different working positions. The loading tool is joined to a hydraulically actuated brake mechanism (16, 18), the regulation of which is operator-independently pressure sensed from the swing device (6) for the activation of the brake mechanism (16, 18) that counteracts undesired oscillations of the loading tool.

IPC 8 full level

**B66C 3/00** (2006.01); **B66C 13/06** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP SE)

**B66C 3/00** (2013.01 - SE); **B66C 3/005** (2013.01 - EP); **B66C 13/06** (2013.01 - SE); **B66C 13/066** (2013.01 - EP); **E02F 9/2207** (2013.01 - EP SE)

Citation (search report)

- [A] DE 4216241 A1 19921126 - KARLSSON EINAR [SE]
- [A] FR 2211571 A1 19740719 - RHEINSTAHL AG HANOMAG BAUMASCH [DE]
- [A] DE 2852463 A1 19790607 - POCLAIN SA
- [A] FR 2727099 A1 19960524 - KINSHOFER GREIFTECHNIK [DE]

Cited by

WO2017153635A1

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

DOCDB simple family (publication)

**EP 2455321 A1 20120523**; **EP 2455321 B1 20140101**; SE 1051216 A1 20120520; SE 535364 C2 20120710

DOCDB simple family (application)

**EP 11187807 A 20111104**; SE 1051216 A 20101119