Title (en)

A LEVELLING SYSTEM FOR WORK MACHINES

Title (de)

NIVELLIERSYSTEM FÜR ARBEITSMASCHINEN

Title (fr)

SYSTÈME DE MISE À NIVEAU POUR MACHINES DE TRAVAIL

Publication

EP 3658483 A1 20200603 (EN)

Application

EP 18750519 A 20180719

Priority

- IT 201700084735 A 20170725
- IB 2018055373 W 20180719

Abstract (en)

[origin: WO2019021123A1] The automatic levelling system for a work machine (1) able to lift loads, comprises: a plurality of outriggers (2) mobile between a rest position and a working position in which the outriggers can rest on a ground surface (S) so as to stabilise the machine (1), each outrigger (2) including an extensible thrust element (23) able to rest on the ground surface (S); an activating apparatus (3) able to selectively activate said outriggers (2), able to receive command signals and able to regulate an extension of the thrust element (23) of each outrigger (2) with respect to the ground surface (S), according to the command signals; an electronic measuring device (7) for measuring an inclination, destined to be associated to a reference element (100) of the machine (1), able to measure the inclination (A) thereof and produce inclination signals as a function of the inclination (A) measured; a processing unit (4) able to receive the inclination signals and comprising a levelling module (41) configured for producing the command signals as a function of the inclination (A) measured by said electronic device (7), the command signals being able to modify the extension of the thrust elements (23) included in the outriggers (2).

IPC 8 full level

B66C 23/80 (2006.01); **B66C 23/78** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2019021123A1

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