

Title (en)

MOBILE WORKING MACHINE HAVING ACCELERATION SENSOR

Title (de)

MOBILE ARBEITSMASCHINE MIT BESCHLEUNIGUNGSSENSOR

Title (fr)

MACHINE DE TRAVAIL MOBILE PRÉSENTANT UN ACCÉLÉROMÈTRE

Publication

EP 2421791 B1 20160323 (DE)

Application

EP 10718460 A 20100407

Priority

- EP 2010002163 W 20100407
- DE 102009018072 A 20090420

Abstract (en)

[origin: WO2010121711A1] The invention relates to a mobile working machine (1) having an acceleration sensor (3). The working machine (1) comprises a working arm (5) joined with a hinge at a first end (6) to a vehicle (7), and guiding a displaceable tool (8) on the working arm (5). An actuating kinematic is provided for adjusting and moving the working arm (5) and tool (8) relative to the vehicle (7). The vehicle (7) comprises a central control device (9) controlling the position changes of the working arm (5) and tool (8) and the motions of the vehicle (7), monitoring and controlling the same in conjunction with distributed sensors. The acceleration sensor (3) monitors the dynamics of motion of the working machine (1) and the effect of gravity on the working machine (1), and limits and controls the accelerations together with the central control device (9). To this end, at least one acceleration sensor (3) is disposed in the central control device (7).

IPC 8 full level

B66F 17/00 (2006.01); **B66F 9/065** (2006.01); **B66F 9/24** (2006.01); **E02F 9/24** (2006.01); **E02F 9/26** (2006.01); **E02F 9/28** (2006.01)

CPC (source: EP)

B66F 9/065 (2013.01); **B66F 9/24** (2013.01); **B66F 17/003** (2013.01); **E02F 9/24** (2013.01); **E02F 9/26** (2013.01)

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

DOCDB simple family (publication)

DE 102009018072 A1 20101021; EP 2421791 A1 20120229; EP 2421791 B1 20160323; WO 2010121711 A1 20101028

DOCDB simple family (application)

DE 102009018072 A 20090420; EP 10718460 A 20100407; EP 2010002163 W 20100407