

Title (en)

SYSTEM AND METHOD FOR WORK STATE ESTIMATION AND CONTROL OF SELF-PROPELLED WORK VEHICLES

Title (de)

SYSTEM UND VERFAHREN ZUR ARBEITSZUSTANDSSCHÄTZUNG UND STEUERUNG VON SELBSTFAHRENDEN ARBEITSFAHRZEUGEN

Title (fr)

SYSTÈME ET PROCÉDÉ D'ESTIMATION D'ÉTAT DE TRAVAIL ET COMMANDE DE VÉHICULES DE TRAVAIL AUTOMOTEURS

Publication

EP 3995633 A1 20220511 (EN)

Application

EP 21202273 A 20211012

Priority

- IN 202021048194 A 20201104
- US 202117143219 A 20210107

Abstract (en)

A self-propelled work vehicle is provided with work state estimation and associated control techniques. The work vehicle comprises ground engaging units, a work implement configured for controllably working terrain, and various onboard sensors. A controller is functionally linked to at least the one or more onboard sensors and configured to ascertain a first parameter or operation of the work vehicle, determine a work state of the work vehicle, based at least in part on respective input signals from one or more onboard sensors, and generate a control signal for controlling at least a second parameter or operation of the work vehicle, responsive to the ascertained first parameter or operation and the determined work state. The control signals may be provided for proactive adjustments to engine speed, movements of the work implement, movements of the work vehicle itself, etc.

IPC 8 full level

E02F 9/22 (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP)

E02F 9/2246 (2013.01); **E02F 9/265** (2013.01)

Citation (search report)

- [X] US 2016258128 A1 20160908 - NAKAMURA SATOSHI [JP], et al
- [X] US 2016003171 A1 20160107 - GE XINYU GARY [US]

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)

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