

Title (en)
METHOD AND SYSTEM FOR CONTROLLING THE OPERATION OF MACHINES, IN PARTICULAR AGRICULTURAL MACHINES AND TOOLS

Title (de)
VERFAHREN UND SYSTEM ZUR STEUERUNG DES BETRIEBS VON MASCHINEN, INSBESONDERE FÜR LANDWIRTSCHAFTLICHE MASCHINEN UND WERKZEUGE

Title (fr)
PROCÉDÉ ET SYSTÈME POUR CONTRÔLER LE FONCTIONNEMENT DE MACHINES, EN PARTICULIER DE MACHINES ET D'OUTILS AGRICOLES

Publication
EP 3013133 A1 20160504 (EN)

Application
EP 14748297 A 20140624

Priority
• IT MI20131050 A 20130624
• IT 2014000169 W 20140624

Abstract (en)
[origin: WO2014207777A1] A method and a system are described for managing and controlling (failure prevention and operability) the operation of agricultural machines and tools. The method comprises the steps of: detecting the values of one or more physical quantities pertaining to the operation through one or more specific sensors for each one of the quantities; detecting the behaviour in time of the physical quantities; comparing the detected values with predetermined models, performing an analysis of the operation depending on the models, and signaling possible anomalies. The system (1, la, lb) comprises transmitting modules (2, 20, 2a, ecc), interconnected with data processing means (3), so that they, following the processing of the detected physical quantities, can provide indications about the operation regularity and are able to emit an alarm signal in case of anomaly, each one of the transmitting modules (2) comprising a sensor (4), which detects the physical quantity of interest, connected to wireless transmitting means (5, 50), and electric supply means (15).

IPC 8 full level
A01B 79/00 (2006.01); **F01M 11/04** (2006.01); **F16H 57/04** (2006.01); **F16N 29/04** (2006.01); **G01K 1/14** (2006.01); **G01K 13/02** (2006.01); **H02N 2/18** (2006.01)

CPC (source: EP)
A01B 79/005 (2013.01); **F16H 57/0413** (2013.01); **F16H 57/0435** (2013.01); **F16N 29/04** (2013.01); **F01M 2011/0491** (2013.01); **F16N 2250/08** (2013.01); **F16N 2260/02** (2013.01)

Citation (search report)
See references of WO 2014207777A1

Citation (examination)
US 2005017602 A1 20050127 - ARMS STEVEN W [US], et al

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)
WO 2014207777 A1 20141231; EP 3013133 A1 20160504; IT MI20131050 A1 20141225

DOCDB simple family (application)
IT 2014000169 W 20140624; EP 14748297 A 20140624; IT MI20131050 A 20130624