

Title (en)

IMPROVED SYSTEM AND METHOD FOR CONTROLLING A RETURN FUNCTIONALITY IN A WORK VEHICLE

Title (de)

VERBESSERTES SYSTEM UND VERFAHREN ZUR STEUERUNG EINER RÜCKGABEFUNKTION IN EINEM ARBEITSFAHRZEUG

Title (fr)

SYSTÈME ET PROCÉDÉ AMÉLIORÉS POUR COMMANDER UNE FONCTIONNALITÉ DE RETOUR DANS UN VÉHICULE DE TRAVAIL

Publication

**EP 4234817 A1 20230830 (EN)**

Application

**EP 23153783 A 20230127**

Priority

IT 202200003371 A 20220223

Abstract (en)

Work vehicle comprising an implement provided with at least a bucket comprising a control system (1) for controlling the movement of said implement and comprising a valve arrangement (6), a bucket actuator (3), an electronic control unit (10), a joystick (8) and a command means (12) for activating a return to dig, RTD, of the implement, the electronic control unit (10) being electrically connected to the valve arrangement (6) and to the command and to retrieve data related to the joystick (8) and data (9) related to engine speed of the work vehicle, the electronic control unit (10) comprising elaboration means configured to- activate a RTD operation of said implement according to an enabling status of the command of the command means (12),- activate a soft stop function of the implement if it is detected a release of the joystick, the soft stop function foreseeing an automatic smooth movement of the implement till a preset stop position, the soft stop function being inhibited if the RTD operation is active.

IPC 8 full level

**E02F 3/43** (2006.01); **E02F 9/20** (2006.01)

CPC (source: EP)

**E02F 3/434** (2013.01); **E02F 9/2012** (2013.01); **E02F 9/2041** (2013.01); **F15B 21/082** (2013.01); **F15B 2211/3116** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/633** (2013.01); **F15B 2211/6336** (2013.01); **F15B 2211/6346** (2013.01); **F15B 2211/6658** (2013.01); **F15B 2211/85** (2013.01)

Citation (applicant)

EP 3719217 A1 20201007 - CNH IND ITALIA SPA [IT]

Citation (search report)

- [AD] EP 3719217 A1 20201007 - CNH IND ITALIA SPA [IT]
- [A] EP 3114284 B1 20181031 - CNH IND ITALIA SPA [IT]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4234817 A1 20230830**; IT 202200003371 A1 20230823

DOCDB simple family (application)

**EP 23153783 A 20230127**; IT 202200003371 A 20220223