

Title (en)

CONTROL METHOD FOR ACTUATION OF A SHOVEL OF A WORKING OR AGRICULTURAL VEHICLE

Title (de)

VERFAHREN ZUR STEUERUNG DER BETÄTIGUNG EINER SCHAUFEL EINES ARBEITSFAHRZEUGS ODER EINES LANDWIRTSCHAFTLICHEN FAHRZEUGS

Title (fr)

PROCÉDÉ DE COMMANDE POUR L'ACTIONNEMENT D'UNE PELLE D'UN VÉHICULE DE TRAVAIL OU AGRICOLE

Publication

EP 4269702 A1 20231101 (EN)

Application

EP 22169835 A 20220425

Priority

EP 22169835 A 20220425

Abstract (en)

Control method for actuation of a shovel (BK) of a work or agricultural vehicle, the shovel being controllable in response to only a first control signal proportional to a position of a control lever (Joystick), and in which the lever is movable in two opposite directions to select a forward or backward rotation of the shovel, and in response to at least a second approximately sinusoidal control signal which can be activated by means of a button to realize a shovel shaking function, and in which when the shaking function is active, the method comprises step (i) of combining the first signal with the second signal so that the first signal limits an amplitude of at least one half wave corresponding to a rotation opposite to that selected by the control lever.

IPC 8 full level

E02F 3/40 (2006.01); **E02F 3/43** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP)

E02F 3/405 (2013.01); **E02F 3/437** (2013.01); **E02F 9/221** (2013.01)

Citation (applicant)

- DE 102014111505 A1 20160218 - LINDE HYDRAULICS GMBH & CO KG [DE]
- US 2018135274 A1 20180517 - HOSHAKU SHOTA [JP], et al

Citation (search report)

- [X] US 2019093310 A1 20190328 - KENKEL AARON R [US], et al
- [A] US 2005203691 A1 20050915 - KIM DONG S [KR]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4269702 A1 20231101

DOCDB simple family (application)

EP 22169835 A 20220425