

Title (en)

METHOD FOR GENERATING A COMMAND SIGNAL OF THE VALUE OF IDLE SPEED FOR A COMBUSTION ENGINE, CONTROL UNIT AND TRACTOR

Title (de)

VERFAHREN ZUM ERZEUGEN EINES ANSTEUERSIGNALS DES LEERLAUFWERTES FÜR EINE BRENNKRAFTMASCHINE, STEUERGERÄT UND TRAKTOR

Title (fr)

PROCÉDÉ POUR GÉNÉRER UN SIGNAL DE COMMANDE DE LA VALEUR DE VITESSE DE RALENTI D'UN MOTEUR À COMBUSTION, UNITÉ DE COMMANDE ET TRACTEUR

Publication

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Application

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Abstract (en)

[origin: WO2021234485A1] A method for generating a command signal (Ei) for the value of idle speed for a combustion engine of a tractor, provides receiving a transmission fluid temperature signal (To), a cooling fluid temperature signal (Tc), a tractor speed signal (Vtr) on the control unit. Furthermore, the method provides selecting a first engine idle speed value (Eic1) as a function of the cooling fluid temperature signal (Tc), a second engine idle speed value (Eio1) as a function of the transmission fluid temperature signal (To), and a third engine idle speed value (EiV1) as a function of the tractor speed signal (Vtr), if the tractor speed signal (Vtr) is not zero. Successively, the method provides calculating a desired engine idle speed value (Eid) as a function of the first (Eic1), the second (Eio1), and the third engine idle speed value (EiV1) and generating a command signal (Ei) of the engine idle speed value on the control unit as a function of the desired engine idle speed value (Eid) calculated on the processor. A control unit for a tractor comprises a processor configured to execute the steps of the method of the present invention.

IPC 8 full level

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