

Title (en)

SYSTEMS AND METHODS FOR ATTACHMENT CONTROL SIGNAL MODULATION

Title (de)

SYSTEME UND VERFAHREN ZUR ANHANGSSTEUERSIGNALMODULATION

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR LA MODULATION DU SIGNAL DE COMMANDE D'UN ACCESSOIRE

Publication

EP 2839170 A1 20150225 (EN)

Application

EP 12874402 A 20120417

Priority

US 2012033949 W 20120417

Abstract (en)

[origin: WO2013158079A1] In general, systems and methods for controlling work machine implements are described. In one embodiment, a system for controlling a hydraulically-powered third-party work machine implement includes a microcontroller-based conversion module capable of transforming implement control signals from their native format (e.g., PWM) to a signal format required by the implement to function properly (e.g., digital). A hydraulic flow activation signal can be simultaneously generated and transmitted to the implement so that hydraulic flow occurs only when control signals are received and the implement is caused to be in motion or otherwise activated.

IPC 8 full level

F15B 21/08 (2006.01); **E02F 3/96** (2006.01); **E02F 9/22** (2006.01); **E02F 9/26** (2006.01); **F15B 13/02** (2006.01)

CPC (source: EP)

E02F 3/96 (2013.01); **E02F 9/2228** (2013.01); **E02F 9/267** (2013.01); **F15B 21/08** (2013.01)

Cited by

CN109991921A

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 2013158079 A1 20131024; AU 2012377404 A1 20141002; AU 2012377404 B2 20161027; CA 2867586 A1 20131024; CA 2867586 C 20171212; EP 2839170 A1 20150225; EP 2839170 A4 20151014; EP 2839170 B1 20220608

DOCDB simple family (application)

US 2012033949 W 20120417; AU 2012377404 A 20120417; CA 2867586 A 20120417; EP 12874402 A 20120417