

Title (en)
TRANSMISSION DOWNSHIFT CONTROL SYSTEM

Title (de)
STEUERSYSTEM ZUM HERUNTERSCHALTEN EINES GETRIEBES

Title (fr)
SYSTÈME DE COMMANDE DE RÉTROGRADATION POUR TRANSMISSION

Publication
EP 2235402 A2 20101006 (EN)

Application
EP 09708678 A 20090129

Priority
• US 2009032398 W 20090129
• US 678708 P 20080131

Abstract (en)
[origin: WO2009099884A2] A power train for a machine is provided having a transmission including a plurality of gears configured to produce multiple output ratios when selectively engaged. The power train also has at least one sensor configured to sense at least one parameter indicative of a condition requiring a disablement of a gear output ratio during a downshifting event. In addition, the power train has a controller configured to regulate the transmission in either a first or a second mode in response to the at least one parameter. At least one of the gear output ratios is disabled during downshifting events occurring while the controller regulates the transmission in the first mode. Furthermore, all gear output ratios are available during downshifting events occurring while the controller regulates the transmission in the second mode.

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