

Title (en)
METHODS FOR REGULATING THE GEAR RATIO OF AN AUTOMATIC POWER-BRANCHED TRANSMISSION, AND AUTOMATIC POWER-BRANCHED TRANSMISSION

Title (de)
VERFAHREN ZUM REGELN DER BERSETZUNG EINES LEISTUNGSVERZWEIGTEN AUTOMATISCHEN GETRIEBES SOWIE LEISTUNGSVERZWEIGTES AUTOMATISCHES GETRIEBE

Title (fr)
PROCEDES POUR REGULER LE RAPPORT DE TRANSMISSION D'UNE BOITE DE VITESSES AUTOMATIQUE A BRANCHEMENT DE COUPLE ET BOITE DE VITESSES AUTOMATIQUE A BRANCHEMENT DE COUPLE

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Application
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Abstract (en)
[origin: WO03067127A2] Disclosed are methods for regulating or controlling the gear ratio of an automatic power-branched transmission, comprising a shaft driven by an engine, a variator, a wheel gear, a driven shaft, and at least two steering clutches, by means of which the variator and the wheel gear can be connected to each other in such a way that the regulating range of the variator is traversed in one direction within a first range of gear ratios and is traversed in the opposite direction within a second range of gear ratios during traversing of the entire range of gear ratios. Said gear-changing strategies result in reduced wear of the wrapping means and allow for comfortable changing between the gear ratio ranges. Also disclosed is the structure of advantageous automatic power-branched transmissions.

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