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- (54) **VEHICLE TRANSMISSION CONTROL DEVICE**
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CPC **F16H 61/0437** (2013.01); **F16H 2061/0093** (2013.01); **F16H 2061/0477** (2013.01)

(58) **Field of Classification Search**
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See application file for complete search history.

(57) **ABSTRACT**

An automatic transmission shifting control including: a shifting target value calculating portion setting shifting target values, torque of a rotary-member on the output shaft side, and rate of change of rotating speed of a rotary-member on the input shaft side; a manipulated calculating portion setting manipulated amounts, a torque of the rotary-member on the input shaft side, a torque capacity of one coupling device engaging for a transmission shifting-action, and torque capacity of other coupling devices releasing the shifting-action; a torque assignment ratio calculating portion setting torque assignment ratios to transfer through the respective coupling devices to engage and release the shifting-action; when a second-shifting-action is required during a preceding first-shifting-action according to a first-shifting-model, the manipulated calculating portion switching the first-shifting-model corresponding to the first-shifting-action to a second-shifting-model corresponding to the second-shifting-action, implementing a transmission shifting control for the second-shifting-action according to the second-shifting-model.

5 Claims, 9 Drawing Sheets

