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(54) **Control method of a vehicle provided with an automatic manual transmission during a gear shift or during a drive-away**

(57) A control method of a vehicle (1) provided with an automatic manual transmission (6) during a gear shifting or during a drive-away; the control method comprises the steps of: determining, in a design phase, a transmissibility function (FT) of a clutch (16), which provides the torque which is transmitted by clutch (16) according to the degree of opening of clutch (16) itself; determining an engine model (4) in a design phase; determining a target torque ( $T_{C-TAR}$ ) which must be transmitted by means of clutch (16) during the gear shifting or during the drive-away; controlling clutch (16) for pursuing target torque ( $T_{C-TAR}$ ) which must be transmitted by means of clutch (16) by using the transmissibility function (FT); determining a target engine torque ( $T_{E-TAR}$ ) of engine (4) according to target torque ( $T_{C-TAR}$ ) which must be transmitted by means of clutch (16); and controlling engine (4) for pursuing target engine torque ( $T_{E-TAR}$ ) of engine (4) by using a feedforward control based on engine model (4).

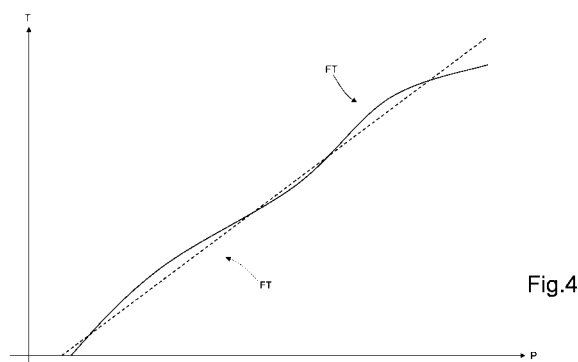


Fig.4

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