

Title (en)

CONTROL METHOD FOR GEAR-SHIFTING UNDER TORQUE

Title (de)

VERFAHREN ZUM ÜBERWACHEN VON SCHALTVORGÄNGEN UNTER DREHMOMENTBELASTUNG

Title (fr)

PROCEDE DE CONTROLE DE CHANGEMENTS DE VITESSES SOUS COUPLE

Publication

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Application

EP 00931357 A 20000526

Priority

- FR 0001429 W 20000526
- FR 9907071 A 19990604

Abstract (en)

[origin: FR2794512A1] The upshift ratios of a gearbox from ratio i to ratio i+1 in traction comprise the following steps: applying a slight force of disconnection on the idling gear of the initial ratio i; gradually drifting the engine torque towards the idling gear of a ratio n higher than i; by clamping a friction member (23) with controlled pressure, disconnecting the first idling gear; synchronising the engine and the input shaft by adjusting the clamping pressure of the friction member, while transmitting the desired torque; detecting the oncoming speed synchronism on the new ratio i+1; disconnecting the idling gear of the new ratio i+1; and gradually releasing the friction member.

IPC 1-7

F16H 3/12; **B60K 41/08**; **B60K 41/22**; **F16H 61/04**

IPC 8 full level

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