

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
EP 1114260 A1 20010711 (FR)

Application
EP 00931357 A 20000526

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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.

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IPC 8 full level
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