

Title (en)
DOUBLE-CLUTCH GEARBOX, IN PARTICULAR FOR MOTOR VEHICLE

Title (de)
DOPPELKUPPLUNGSGETRIEBE, INSBESONDERE FÜR KRAFTFAHRZEUG

Title (fr)
BOITE DE VITESSES A DOUBLE EMBRAYAGE, NOTAMMENT POUR L'AUTOMOBILE

Publication
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Application
EP 05805792 A 20050922

Priority
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• FR 0410085 A 20040923

Abstract (en)
[origin: WO2006032789A1] The invention concerns a gearbox wherein the clutch shaft (3) selectively drives one or the other of two input shafts (1, 2) by means of two clutches (8). The pinion torques defining the successive ratios are configured such that the power is alternately transmitted by one clutch (8) and by the other when the transmission ratios are made to succeed each other sequentially upon use of the gearbox. The input shafts (1, 2) are non-coaxial and bear input pinions (E3, E4, E5, E6) which mesh with the same output pinions (S234, S56R). In an improved embodiment, one (1) of the input shafts drives an intermediate shaft (15) which in turn likewise drives the same output pinions (S234, S56R) via the input pinions (E4, E6) borne by said input shaft and operating this time as freely rotating motion transmitter pinions. The invention provides a compact device, and minimization of the number of pinions.

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