

Title (en)
TWIN-CLUTCH TRANSMISSION

Title (de)
DOPPELKUPPLUNGSGETRIEBE

Title (fr)
TRANSMISSION À DOUBLE EMBRAYAGE

Publication
EP 3017212 A1 20160511 (DE)

Application
EP 14732161 A 20140618

Priority
• DE 102013106896 A 20130701
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Abstract (en)
[origin: WO2015000702A1] The invention relates to a twin-clutch transmission (14), comprising a twin-clutch assembly (16), which has a first and a second friction clutch (18, 20); a transmission assembly (22), which has a first and a second input shaft (30, 32) and a first and a second countershaft (34, 36); wherein the first friction clutch (18) is connected to the first input shaft (30) and the second friction clutch (20) is connected to the second input shaft (32), wherein the transmission assembly (22) has a plurality of gear sets for establishing gear stages (1-7, R), wherein a first gear set comprises a fixed gear (42; 46) on the first input shaft (30) and a free gear (44; 50) on the second countershaft (36), wherein a second gear set comprises a fixed gear (54) on the second input shaft (32) and a free gear (58) on the second countershaft (36), and wherein the transmission assembly (22) has an output gear set (70), which comprises a first output gear (72) rigidly connected to the first countershaft (34), and a second output gear (74), which is associated with the second countershaft (36), wherein the first and the second output gear (72, 74) mesh with a third output gear (76). The second output gear (74) is fixed on an output shaft (104), which is coaxial to the second countershaft (36) and is rotatably supported in relation to the second countershaft (36), wherein the output shaft (104) can be coupled to the second countershaft (36) by means of a coupling device (106) or can be decoupled from the second countershaft, in such a way that at least one winding path gear stage (WC, WO) can be established by means of the first and the second gear set while the coupling device (106) is open.

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Citation (search report)
See references of WO 2015000702A1

Citation (examination)
• DE 102005012535 A1 20051013 - FORD GLOBAL TECH LLC [US]
• WO 2015070958 A1 20150521 - DAIMLER AG [DE]

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