

Title (en)
CONNECTING DEVICE FOR OUTSIDE A VARIABLE-SPEED TRANSMISSION

Title (de)
VERBUNDUNGSVORRICHTUNG FÜR AUSSERHALB EINES ZAHNRÄDERWECHSELGETRIEBES

Title (fr)
DISPOSITIF DE LIAISON POUR L'EXTÉRIEUR D'UNE BOÎTE DE VITESSES À ENGRENAGES

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Application
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Abstract (en)
[origin: WO2012171709A1] The invention relates to a connecting device of a vehicle drive train, outside a variable-speed transmission, for the rotary coupling of a vehicle shaft (12) and of a vehicle drive train element (13) which is rotatable relative thereto, having a sliding sleeve (10) which is arranged non-rotatably and axially displaceably between at least one first and second position on the vehicle shaft (12), wherein, in the first position, the sliding sleeve (10) brings about rotary decoupling of the vehicle shaft (12) from the vehicle drive train element (13) and, in the second position, brings about the rotary coupling thereof, and having actuating means (16, 17, 18) for displacing the sliding sleeve (10) between the first and second position, with at least one shift groove (16, 17) along a circumference of the sliding sleeve (10), and engagement means (18) for engaging in the shift groove (16, 17). According to the invention, the sliding sleeve (10) is moveable rotatably and axially with respect to the engagement means (18), wherein the shift groove (16, 17) is designed in the form of a radial cam such that, when the engagement means (18) engage in the shift groove (16, 17) and when the sliding sleeve (10) rotates with respect to the engagement means (18), the sliding sleeve (10) is moved axially by the shift groove (16, 17) between the first and second position.

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