

Title (en)

AUXILIARY UNIT DRIVE FOR A VEHICLE ENGINE, COMPRISING A COUPLABLE AND UNCOUPLABLE PULLEY, AND AUXILIARY UNIT

Title (de)

HILFSAGGREGATANTRIEB FÜR EINEN FAHRZEUGMOTOR MIT ZU- UND ENT KOPPELBARER RIEMENSCHIBE SOWIE HILFSAGGREGAT

Title (fr)

ENTRAÎNEMENT A GROUPE AUXILIAIRE DESTINE A UN MOTEUR DE VEHICULE COMPORTANT UNE POULIE A COURROIE DECOUPLABLE ET GROUPE AUXILIAIRE

Publication

EP 1668268 A1 20060614 (DE)

Application

EP 04786809 A 20040917

Priority

- DE 2004002090 W 20040917
- DE 10342966 A 20030917

Abstract (en)

[origin: WO2005028901A1] The invention relates to an auxiliary unit drive for a vehicle engine, comprising a couplable and uncouplable pulley (20) that generates the transfer of torque from a belt guide to a shaft (9), in the coupled state, by means of a friction clutch (22, 12), and can be positioned in such a way that it rotates coaxially about the shaft (9) in the uncoupled state. The friction clutch is thus created by the fact that an active friction driver (16) of the pulley (20) is guided in an axially displaceable manner and is pressed onto a corresponding passive friction driver (11) of the shaft (9) for the coupling. The aim of the invention is to produce such drives in a smaller, lighter, more cost-effective and mechanically simple manner. To this end, the axial displacement of the active friction driver (16) causes a corresponding axial displacement of the ring guide.

IPC 1-7

F16D 13/76

IPC 8 full level

F01P 5/12 (2006.01); **F04D 13/02** (2006.01); **F16D 13/26** (2006.01); **F16D 13/76** (2006.01); **F01P 7/16** (2006.01); **F16D 69/00** (2006.01)

CPC (source: EP)

F01P 5/12 (2013.01); **F04D 13/022** (2013.01); **F04D 13/027** (2013.01); **F16D 13/26** (2013.01); **F16D 13/76** (2013.01); **F01P 7/162** (2013.01)

Citation (search report)

See references of WO 2005028901A1

Cited by

WO2011156902A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 2005028901 A1 20050331; CN 1882793 A 20061220; DE 112004001764 D2 20060601; EP 1668268 A1 20060614; JP 2007506044 A 20070315

DOCDB simple family (application)

DE 2004002090 W 20040917; CN 200480033933 A 20040917; DE 112004001764 T 20040917; EP 04786809 A 20040917; JP 2006526515 A 20040917