

Title (en)

Drive pulley unit in pedal vehicles with stepless transmission comprising an automatic device for facilitating starting.

Title (de)

Triebscheibeneinheit für Pedalfahrzeuge mit stufenlosem Getriebe, versehen mit einer automatischen Vorrichtung zur Erleichterung des Startens.

Title (fr)

Ensemble de poulie d'entraînement pour véhicules à pédale avec transmission à réglage continu comprenant un dispositif automatique destiné à faciliter le démarrage.

Publication

EP 0677657 A1 19951018 (EN)

Application

EP 95200741 A 19950324

Priority

IT MI940705 A 19940414

Abstract (en)

In pedal vehicles with stepless transmission, a drive pulley unit comprising an automatic device for facilitating starting, in which the drive pulley comprises a pair of half pulleys (12, 13) mounted on a shaft (11), the first (12) being axially fixed and the second (13) being axially movable relative to the first, between the two half pulleys there being positioned a drive belt (14) engaging against walls of the two half pulleys (12, 13), which depending on their distance apart determine low gear or high gear, associated with the drive pulley unit there being provided a gear position regulator consisting of a counteracting element (18) associated with the movable second half pulley (13) via radially movable rolling bodies (24) inserted in respective housings (19, 37), wherein to the counteracting element (18) there are connected radially oscillable centrifugal masses (20) which are associated with an elastic element (31) and interact with the rolling bodies (24) at low speeds to cause the half pulleys (12, 13) to assume a position of maximum approach, determining high gear. <IMAGE>

IPC 1-7

F02N 3/04

IPC 8 full level

F02N 3/04 (2006.01)

CPC (source: EP)

F02N 3/04 (2013.01)

Citation (search report)

- [A] DE 1001901 B 19570131 - SUEDD ILO WERK G M B H
- [A] NL 105358 C

Designated contracting state (EPC)

AT BE CH DE ES FR GB LI

DOCDB simple family (publication)

EP 0677657 A1 19951018; EP 0677657 B1 19980729; AT E169089 T1 19980815; CN 1057737 C 20001025; CN 1121019 A 19960424; DE 69503690 D1 19980903; DE 69503690 T2 19990318; ES 2124491 T3 19990201; IT 1270031 B 19970428; IT MI940705 A0 19940414; IT MI940705 A1 19951014; TW 254902 B 19950821

DOCDB simple family (application)

EP 95200741 A 19950324; AT 95200741 T 19950324; CN 95104217 A 19950413; DE 69503690 T 19950324; ES 95200741 T 19950324; IT MI940705 A 19940414; TW 83105266 A 19940610