

Title (en)

Hydraulic variable phasing device between a driving pulley and a shaft

Title (de)

Vorrichtung zur hydraulischen Drehwinkelverstellung einer Welle zu einem Antriebsrad

Title (fr)

Dispositif hydraulique de variation de phase entre une poulie d'entrainement et un arbre

Publication

EP 0995882 A3 20000517 (DE)

Application

EP 99116481 A 19990823

Priority

DE 19848653 A 19981022

Abstract (en)

[origin: EP0995882A2] The system to give a hydraulic adjustment to the angular setting of a shaft (1) in relation to a drive wheel, uses a wheel where the inner section (2) is divided into pockets by webs (4a-4d) and into pressure zones (7a-7d;8a-8d) at each pocket by webs or paddles (6a-6d). The rotation is applied by an increase or decrease in the pressure applied to the webs or paddles, which differ in both directions on the same running conditions of the motor.

IPC 1-7

F01L 1/344

IPC 8 full level

F01L 1/34 (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)

F01L 1/3442 (2013.01)

Citation (search report)

- [DY] DE 3922962 A1 19910117 - AUDI AG [DE]
- [Y] EP 0807747 A1 19971119 - AISIN SEIKI [JP]
- [DA] US 4858572 A 19890822 - SHIRAI EIJI [JP], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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DOCDB simple family (application)

EP 99116481 A 19990823; DE 19848653 A 19981022; JP 29716599 A 19991019