

Title (en)

CONTINUOUS CAMSHAFT PHASE-SHIFTING APPARATUS

Title (de)

VORRICHTUNG ZUR KONTINUIERLICHEN PHASENVERSCHIEBUNG VON NOCKENWELLEN

Title (fr)

APPAREIL DE DÉPHASAGE POUR ARBRE À CAMES EN CONTINU

Publication

EP 2064417 A1 20090603 (EN)

Application

EP 07842677 A 20070918

Priority

- US 2007078755 W 20070918
- US 84569206 P 20060919

Abstract (en)

[origin: WO2008036650A1] A phase shift mechanism (A) for controlling a phase shift angle between a camshaft (12) and a drive (10) comprises a planetary gear train (20). The planetary gear train (20) has first and second planet gears (34, 26) that are united to rotate about a common axis at the same angular velocity, and a carrier (32) which includes a first planet bearing (62) and a second planet bearing (64) on which the united first and second planet gears (34, 36) respectively rotate and a locking mechanism (24) carried by the carrier (32) for locking the planetary gear train (20) in a locked condition by preventing the planet gears (34, 36) from rotating relative to the carrier (32) such that the phase shift angle remains the same and the output shaft 26 rotates with the input shaft (18) at the same angular velocity.

IPC 8 full level

F01L 1/352 (2006.01)

CPC (source: EP KR US)

F01L 1/344 (2013.01 - KR); **F01L 1/352** (2013.01 - EP KR US); **F02D 13/02** (2013.01 - KR)

Citation (search report)

See references of WO 2008036650A1

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