

Title (en)

Drive mechanism having a camshaft and force transmission means with roller.

Title (de)

Steuervorrichtung mit Nockenwelle und Kraftübertragungsmittel mit Rolle.

Title (fr)

Dispositif de commande par arbre à came et moyens transmetteurs d'efforts à galet.

Publication

EP 0460988 A1 19911211 (FR)

Application

EP 91401298 A 19910521

Priority

FR 9007161 A 19900608

Abstract (en)

The drive mechanism having a camshaft (1) and a roller (7) carried by a push rod or rocker arm, is characterised in that the roller (7) rotates on itself in a cavity (16) which is formed in the driving part of the push rod or rocker arm and which is fed with oil under pressure through channels (24, 23, 22, 21). This cavity (16) is delimited by a circular semi-cylindrical wall (17) and by the interior walls of two flat side flanges. <IMAGE>

IPC 1-7

F01L 1/18; **F01M 9/10**

IPC 8 full level

F01L 1/14 (2006.01); **F01L 1/18** (2006.01); **F01M 1/06** (2006.01); **F01M 9/10** (2006.01)

CPC (source: EP US)

F01L 1/08 (2013.01 - EP US); **F01L 1/143** (2013.01 - EP US); **F01L 1/181** (2013.01 - EP US); **F01L 1/182** (2013.01 - EP US); **F01M 9/101** (2013.01 - EP US); **F01M 9/107** (2013.01 - EP US); **F01L 1/20** (2013.01 - EP US); **F01L 2305/02** (2020.05 - EP US); **Y10T 74/20882** (2015.01 - EP US); **Y10T 74/2107** (2015.01 - EP US)

Citation (search report)

- [YD] US 4909197 A 19900320 - PERR JULIUS P [US]
- [Y] FR 549594 A 19230214
- [A] GB 659654 A 19511024 - CONTINENTAL MOTORS CORP
- [A] US 1565223 A 19251208 - CHURCH HAROLD D
- [A] DE 2840160 A1 19800320 - KLOECKNER HUMBOLDT DEUTZ AG

Cited by

EP2947285A1; WO2008052874A1; WO2014063690A1; US9441722B2; WO2008037524A1; WO9702409A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0460988 A1 19911211; **EP 0460988 B1 19950301**; DE 69107687 D1 19950406; DE 69107687 T2 19950629; ES 2069235 T3 19950501; FR 2663091 A1 19911213; FR 2663091 B1 19950217; JP H05106410 A 19930427; US 5186130 A 19930216

DOCDB simple family (application)

EP 91401298 A 19910521; DE 69107687 T 19910521; ES 91401298 T 19910521; FR 9007161 A 19900608; JP 16507291 A 19910610; US 70404791 A 19910522