

Title (en)
VALVE DRIVE FOR GAS EXCHANGE VALVES OF AN INTERNAL COMBUSTION ENGINE, COMPRISING A MOVABLE CAM SUPPORT AND A TWIN WORM GEAR

Title (de)
VENTILTRIEB FÜR GASWECHSELVENTILE EINER BRENNKRAFTMASCHINE MIT VERSCHIEBBAREM NOCKENTRÄGER UND DOPPELSCHNECKENTRIEB

Title (fr)
MÉCANISME DE DISTRIBUTION POUR DES SOUPAPES D'ÉCHANGE DES GAZ D'UN MOTEUR À COMBUSTION INTERNE, DOTÉ D'UN PORTE-CAME MOBILE ET D'UN ENGRENAGE À DEUX VIS

Publication
EP 2132418 A1 20091216 (DE)

Application
EP 08716104 A 20080228

Priority
• EP 2008001576 W 20080228
• DE 102007010149 A 20070302

Abstract (en)
[origin: US2010269769A1] A valve drive assembly cooperable with gas exchange valves of an internal combustion engine having a cam shaft and at least one came support rotatably fixed and axially displaceable on the cam shaft and having at least two cam profiles selectively engageable with a roller provided on a follower engageable with a valve comprising a cam support having a cylindrical surface disposed coaxially with a cam shaft, provided with a pair of oppositely inclined, spiral grooves; and means selectively insertable into the grooves, coacting with side walls of such grooves as the cam shaft rotates to effect axial displacement of the cam support.

IPC 8 full level
F01L 13/00 (2006.01); **F01L 1/047** (2006.01)

CPC (source: EP US)
F01L 1/047 (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US); **F01L 1/185** (2013.01 - EP US); **F01L 1/2405** (2013.01 - EP US); **F01L 2001/0476** (2013.01 - EP US); **F01L 2013/0052** (2013.01 - EP US); **F01L 2305/00** (2020.05 - EP US)

Citation (search report)
See references of WO 2008107111A1

Cited by
US12071869B2; DE102013100632A1; DE102021100183A1; US12031460B2

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DOCDB simple family (publication)
US 2010269769 A1 20101028; **US 8365692 B2 20130205**; AT E517234 T1 20110815; CN 101605967 A 20091216; CN 101605967 B 20120704; DE 102007010149 A1 20080904; EP 2132418 A1 20091216; EP 2132418 B1 20110720; JP 2010520395 A 20100610; JP 5404427 B2 20140129; WO 2008107111 A1 20080912

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