

Title (en)

Cam shaft or cam adjustment mechanism with looped springs

Title (de)

Nockenwellen- oder Nockenverstellmechanismus mit Schlingfedern

Title (fr)

Mécanisme d'arbre à came ou de réglage d'arbre à came doté de ressorts enroulés

Publication

EP 2484874 A3 20130123 (DE)

Application

EP 11190463 A 20111124

Priority

DE 102011003558 A 20110203

Abstract (en)

[origin: EP2484874A2] The cam adjustment mechanism (1) has centrifugal weights that are in operative relationship with an intake cam (4) that is rotatably mounted on the shaft (2). The centrifugal weights are deflected at a corresponding rotational speed of the shaft to adjust the intake cam relative to the exhaust cam. The centrifugal force is dependent switched by the centrifugal weights to change the blocking direction and to adjust the free-wheel (5) between the intake cam and the shaft.

IPC 8 full level

F01L 1/34 (2006.01); **F01L 1/344** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP)

F01L 1/34 (2013.01); **F01L 1/34413** (2013.01); **F01L 1/34416** (2013.01); **F01L 13/0057** (2013.01); **F01L 2001/0473** (2013.01); **F01L 2820/035** (2013.01)

Citation (search report)

- [A] DE 102008020909 A1 20091029 - WEBER TECHNOLOGY AG [CH]
- [A] EP 1956197 A1 20080813 - YAMAHA MOTOR CO LTD [JP]
- [A] EP 2161434 A1 20100310 - PIAGGIO & C SPA [IT]
- [A] US 2010025138 A1 20100204 - RUSCAK IAN M [US]
- [A] DE 3933923 A1 19910411 - INGELHEIM PETER GRAF VON [DE]

Cited by

DE102016205785A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2484874 A2 20120808; **EP 2484874 A3 20130123**; **EP 2484874 B1 20131016**; DE 102011003558 A1 20120809

DOCDB simple family (application)

EP 11190463 A 20111124; DE 102011003558 A 20110203