

Title (en)
VARIABLE TIMING FOR FOUR STROKE ENGINE

Publication
EP 0097665 B1 19861112 (FR)

Application
EP 83900048 A 19821229

Priority
FR 8124559 A 19811231

Abstract (en)
[origin: WO8302301A1] A device for internal combustion engines, particularly car engines, allows to vary the opening duration and the lift of the timing valves. The variation results from the utilization of all or part of the profile of the alternating cam (9) of which the motion about the axis (14) is provided by the rotating leading cams (10, 11) by contact of the rollers (12) and is transmitted to the roller (8) which acutates with its shaft (13) the rocker arm (3) of the valve (6) returned by the spring (7). The adjustment is carried out by positioning the sprocket wheel (8) by means of the support arms (15) of the shaft (13) which are keyed to the control shaft (14) by means of pins (16).

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IPC 8 full level
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CPC (source: EP US)
F01L 1/044 (2013.01 - EP US); **F01L 1/08** (2013.01 - EP US); **F01L 1/10** (2013.01 - EP US); **F01L 1/181** (2013.01 - EP);
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F01L 13/0063 (2013.01 - EP US); **F01L 2013/0068** (2013.01 - US); **F01L 2305/00** (2020.05 - EP); **F02B 2075/027** (2013.01 - EP US)

Cited by
US7225773B2; WO2005090757A1

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WO 8302301 A1 19830707; DE 3274277 D1 19870102; EP 0097665 A1 19840111; EP 0097665 B1 19861112; FR 2519375 A1 19830708;
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