

Title (en)
Structure of driving member of engine valve

Title (de)
Struktur zum Antreiben eines Motorventilelements

Title (fr)
Structure d'élément de commande de soupape de moteur

Publication
EP 2397660 A2 20111221 (EN)

Application
EP 11167016 A 20110523

Priority
TW 99119479 A 20100615

Abstract (en)
An engine (3) includes a camshaft (336) carrying a first intake cam (3361), a second intake cam (3362), and an exhaust cam (3363). The intake valve driving member (6) includes first and second driving members (61,62), which form push rollers (614,624) respectively in engagement with the first and second intake cams (3361,3362) and a pressing section (625) in engagement with the intake valve (332). The first and second driving members (61,62) form bores (613,623) communicating each other to form a hydraulic cylinder (64). First and second pistons (643,644) are movable within the bores (613,623) to selectively set the first and second driving members (61,62) in a condition of being allowed to operate independently or in combination with each other.

IPC 8 full level
F01L 1/26 (2006.01); **F01L 1/18** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP KR US)
F01L 1/18 (2013.01 - KR); **F01L 1/181** (2013.01 - EP US); **F01L 1/267** (2013.01 - EP US); **F01L 13/00** (2013.01 - KR);
F01L 13/0036 (2013.01 - EP US)

Cited by
DE102012204367A1; CN102345477A; EP2634386A1

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 2397660 A2 20111221; **EP 2397660 A3 20120425**; **EP 2397660 B1 20160210**; JP 2012002222 A 20120105; KR 101258793 B1 20130426;
KR 20110136697 A 20111221; TW 201144574 A 20111216; TW I379941 B 20121221; US 2011303168 A1 20111215

DOCDB simple family (application)
EP 11167016 A 20110523; JP 2011121333 A 20110531; KR 20110048848 A 20110524; TW 99119479 A 20100615;
US 201113113079 A 20110523