

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 A3 20120425 (EN)**

Application  
**EP 11167016 A 20110523**

Priority  
TW 99119479 A 20100615

Abstract (en)  
[origin: EP2397660A2] 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)

Citation (search report)

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- [XAI] US 5207193 A 19930504 - SUGIMOTO CHIHAYA [JP], et al
- [A] EP 0470869 A1 19920212 - HONDA MOTOR CO LTD [JP]
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BA ME

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