

Title (en)  
VALVE ACTUATOR FOR INTERNAL COMBUSTION ENGINE

Title (de)  
VENTILBETÄTIGER FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)  
ACTIONNEUR DE SOUPAPE POUR MOTEUR À COMBUSTION INTERNE

Publication  
**EP 2557280 A1 20130213 (EN)**

Application  
**EP 10849438 A 20100407**

Priority  
JP 2010056332 W 20100407

Abstract (en)  
Provided is a valve operating apparatus for an internal combustion engine that, with respect to a configuration including urging means that urges a transfer member that transfers an acting force of a cam to a valve, can facilitate manufacture of a support portion of the urging means and suppress an increase in the mass of the internal combustion engine. A first rocker arm (18) is provided that is interposed between a main cam (14) and a valve (26) and that transfers an acting force of the main cam (14) to the valve (26). A lost motion mechanism (60) is provided that urges the first rocker arm (18) in one direction. A holding member (68) is provided that holds the lost motion mechanism (60). The lost motion mechanism (60) is attached to a spark plug tube (66) through the holding member (68).

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

CPC (source: EP US)  
**F01L 1/185** (2013.01 - EP US); **F01L 1/267** (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US); **F01L 2001/467** (2013.01 - EP US); **F01L 2013/0052** (2013.01 - EP US); **F01L 2305/00** (2020.05 - EP US); **F01L 2820/031** (2013.01 - EP US)

Cited by  
CN112219016A

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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 SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2557280 A1 20130213**; **EP 2557280 A4 20130612**; CN 102892979 A 20130123; JP 5299564 B2 20130925; JP WO2011125194 A1 20130708; US 2013042830 A1 20130221; WO 2011125194 A1 20111013

DOCDB simple family (application)  
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