

Title (en)  
ENGINE AND VEHICLE

Title (de)  
MOTOR UND FAHRZEUG

Title (fr)  
MOTEUR ET VÉHICULE

Publication  
**EP 2949891 B1 20180620 (EN)**

Application  
**EP 15164176 A 20150420**

Priority  
JP 2014108985 A 20140527

Abstract (en)  
[origin: EP2949891A1] The center of gravity of the weight (42) is disposed in a first region (A1) as seen from the axial direction of the cam shaft (26). The first region (A1) is located in the first vertical (Y1) direction from the horizontal axis and in the first horizontal direction (x1) from the vertical axis. A circumferential direction end portion of a first weight (47) portion is located in the first horizontal direction (x1) from the vertical axis. A circumferential direction end portion (481) of a second weight portion (48) is located in the second horizontal direction (x2) from the vertical axis. The first weight portion (47) is longer than the second weight portion (48) in the circumferential direction of the cam shaft (26). The decompression pin (44) is connected to the first weight portion (47).

IPC 8 full level  
**F01L 13/08** (2006.01)

CPC (source: EP)  
**F01L 13/085** (2013.01)

Citation (examination)  
EP 1892388 A1 20080227 - HONDA MOTOR CO LTD [JP]

Cited by  
US2020173415A1

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

DOCDB simple family (publication)  
**EP 2949891 A1 20151202; EP 2949891 B1 20180620**; CN 105275529 A 20160127; CN 105275529 B 20180209; JP 2015224577 A 20151214; TW 201604382 A 20160201; TW I608161 B 20171211

DOCDB simple family (application)  
**EP 15164176 A 20150420**; CN 201510271650 A 20150525; JP 2014108985 A 20140527; TW 104116114 A 20150520