

Title (en)
VALVE DRIVE

Title (de)
VENTILTRIEB

Title (fr)
TRAIN DE SOUPAPES

Publication
EP 4375491 A1 20240529 (EN)

Application
EP 22208873 A 20221122

Priority
EP 22208873 A 20221122

Abstract (en)
A distribution apparatus (12) for an engine comprises at least one intake valve (14, 16) and at least one exhaust valve (18, 20). The apparatus comprises movement means (22) for the at least one intake valve (14, 16) and for the at least one exhaust valve (18, 20). The movement means (22) comprise a first crossbow element (24) and a second crossbow element (26) to which the at least one intake valve (14, 16) and the at least one exhaust valve (18, 20) are connected, respectively. The first crossbow element (24) and the second crossbow element (26) are connected at each end (242, 244; 262, 264) with respective distribution rod heads (302, 282, 322, 342). The distribution rods (28, 30, 32, 34) are arranged in correspondence with a foot (282, 302, 322, 342) thereof, opposite the head (284, 304, 324, 344) with a bearing (36, 38, 40, 42). Each of the bearings (36, 38) is in connection with respective cam means (40, 42, 44, 46) suitable for being put into rotation by a drive shaft (48) for moving the at least one intake valve (14, 16) and the at least one exhaust valve (18, 20) .

IPC 8 full level
F01L 1/30 (2006.01); **F01L 1/047** (2006.01); **F01L 1/14** (2006.01)

CPC (source: EP)
F01L 1/047 (2013.01); **F01L 1/146** (2013.01); **F01L 1/30** (2013.01); **F01L 2001/0476** (2013.01); **F01L 2301/00** (2020.05)

Citation (search report)
• [IAY] WO 2008149316 A2 20081211 - PATTAKOS MANOUSOS [GR], et al
• [Y] US 7146948 B1 20061212 - EELLS CLINTON D [US]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4375491 A1 20240529

DOCDB simple family (application)
EP 22208873 A 20221122