

Title (en)
HYDRAULIC TAPPET

Title (de)
HYDRAULISCHE VENTILSTÖSSEL

Title (fr)
POUSSOIR DE SOUPAPE HYDRAULIQUE

Publication
EP 3494291 B1 20210217 (EN)

Application
EP 17748575 A 20170731

Priority
• IT 201600083173 A 20160805
• IB 2017054642 W 20170731

Abstract (en)
[origin: WO2018025149A1] Described is a hydraulic tappet of an internal combustion engine, comprising a rocker (2) oscillating about a respective axis (A1) of oscillation to control the movement of at least one valve, the rocker (2) having, at a relative arm (B2), a through cavity (5) extending with axial symmetry having a central axis (A2) skew relative to the above-mentioned axis (A1) of oscillation, the cavity (5) having an inner wall (5a), a lower outlet (6) and a upper outlet (7) longitudinally opposite each other; a plunger (8) engaged slidably inside the cavity (5) and emerging from it partially at the relative lower outlet (6), the plunger (8) being configured to engage with a respective element (9) for pushing at least one valve; a check valve unit (10) designed to adjust a flow of oil circulating inside the cavity (5), the valve unit (10) comprising a main body (11) located inside the cavity (5) for closing the relative upper outlet (7).

IPC 8 full level
F01L 1/18 (2006.01); **F01L 1/24** (2006.01)

CPC (source: EP)
F01L 1/181 (2013.01); **F01L 1/2411** (2013.01); **F01L 1/26** (2013.01); **F01L 2305/00** (2020.05)

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)
WO 2018025149 A1 20180208; CN 109790764 A 20190521; CN 109790764 B 20210430; EP 3494291 A1 20190612; EP 3494291 B1 20210217; IT 201600083173 A1 20180205

DOCDB simple family (application)
IB 2017054642 W 20170731; CN 201780059810 A 20170731; EP 17748575 A 20170731; IT 201600083173 A 20160805