

Title (en)
CUP-SHAPED TAPPET

Title (de)
TASSENFÖRMIGER VENTILSTÖSSEL

Title (fr)
POUSSOIR DE SOUPAPE CUPULIFORME

Publication
EP 0715681 B1 19961218 (DE)

Application
EP 94924869 A 19940811

Priority
• DE 4328422 A 19930824
• EP 9402680 W 19940811

Abstract (en)
[origin: DE4428309A1] A valve bucket tappet (1) essentially comprises an end wall (7), on which a cam (4) of a camshaft (5) touches, and a cylindrical skirt (6), by means of which the valve tappet (1) is guided in a bore (2) of a cylinder head (3). In order to reduce the valve actuating forces and consequently also to save fuel, it is proposed that the valve tappet (1) be designed with reduced weight. According to the invention the valve tappet (1) is manufactured from a steel material, wall thicknesses A and B of the end wall (7) and the skirt (6) being dimensioned so that a product formed therefrom is $P1 \leq 2.3$. <IMAGE>

IPC 1-7
F01L 1/24

IPC 8 full level
F01L 1/14 (2006.01); **F01L 1/24** (2006.01); **F01L 1/25** (2006.01)

CPC (source: EP US)
F01L 1/143 (2013.01 - EP US); **F01L 1/25** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 4428309 A1 19950302; CN 1048536 C 20000119; CN 1129469 A 19960821; DE 59401357 D1 19970130; EP 0715681 A1 19960612; EP 0715681 B1 19961218; JP H09501753 A 19970218; US 5954020 A 19990921; WO 9506192 A1 19950302

DOCDB simple family (application)
DE 4428309 A 19940810; CN 94193081 A 19940811; DE 59401357 T 19940811; EP 9402680 W 19940811; EP 94924869 A 19940811; JP 50731494 A 19940811; US 76503497 A 19970609