

Title (en)  
CAMSHAFT FOR INTERNAL COMBUSTION ENGINE

Title (de)  
NOCKENWELLE FÜR VERBRENNUNGSMOTOR

Title (fr)  
ARBRE À CAMES POUR MOTEUR À COMBUSTION INTERNE

Publication  
**EP 3523513 B1 20240221 (DE)**

Application  
**EP 17780420 A 20171006**

Priority  
• DE 102016119105 A 20161007  
• EP 2017075544 W 20171006

Abstract (en)  
[origin: WO2018065602A1] The invention relates to a camshaft (10), which is mounted at both ends, for an outlet valve (70) of a combustion engine, said camshaft having a cam (11) and a release mechanism (20). The cam (11) defines a cam contour (16) for the cyclical actuation of the outlet valve through rotation of the camshaft, and comprises a cam body (12) and a cam contour element (40). The cam contour element (40) can be moved relative to the cam body (12) into a first cam contour position and into a second cam contour position in such a way that the cam contour (16) has a first cam contour shape when the cam contour element (40) is in the first cam contour position, and has a second cam contour shape, which differs from the first cam contour shape, when the cam contour element is in the second cam contour position. The release mechanism (20) for the cam contour element (40) is configured to hold the cam contour element in the first cam contour position at a first, lower rotational speed of the camshaft, and to hold the cam contour element in the second cam contour position at a second, higher rotational speed.

IPC 8 full level  
**F01L 13/08** (2006.01); **F01L 1/047** (2006.01)

CPC (source: EP)  
**F01L 1/047** (2013.01); **F01L 13/085** (2013.01)

Citation (examination)  
EP 3061930 A1 20160831 - TRIUMPH DESIGNS LTD [GB]

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 2018065602 A1 20180412**; BR 112019006860 A2 20190625; CN 109952416 A 20190628; CN 109952416 B 20211116;  
DE 102016119105 A1 20180412; EP 3523513 A1 20190814; EP 3523513 B1 20240221; EP 3523513 C0 20240221

DOCDB simple family (application)  
**EP 2017075544 W 20171006**; BR 112019006860 A 20171006; CN 201780062263 A 20171006; DE 102016119105 A 20161007;  
EP 17780420 A 20171006