

Title (en)
CAMSHAFT FOR INTERNAL COMBUSTION ENGINE

Title (de)
NOCKENWELLE FÜR VERBRENNUNGSMOTOR

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

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Application
EP 17780420 A 20171006

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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.

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