

Title (en)
CAMSHAFT AND METHOD FOR PRODUCING A CAMSHAFT

Title (de)
NOCKENWELLE UND VERFAHREN ZUR HERSTELLUNG EINER NOCKENWELLE

Title (fr)
ARBRE A CAMES ET PROCEDE POUR PRODUIRE UN ARBRE A CAMES

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Application
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Abstract (en)
[origin: WO2005088082A1] The invention relates to a camshaft (1) for an internal combustion engine comprising a cam plate supporting shaft (2) on which a number of cam plates (3) and a drive wheel (4) are mounted. The outer radius of the cam plate supporting shaft (2) continuously varies in the sections in which the cam plates (3) are mounted. The cam plates (3) have a borehole (5) whose inner radius continuously varies. The cam plate supporting shaft (2) is, in the sections (2a) in which the cam plates (3) are mounted, alternately provided with elevations (7) and recesses (8) that, over the periphery of the section (2a) of the cam plate supporting shaft (2), form a wedge-shaped arc profile (9). The elevations (7) continuously enlarge the outer radius of the cam plate supporting shaft (2). The borehole (5) of the cam plates (3) is adapted to the enlargement of the outer radius of the cam plate supporting shaft (2), and exactly one wedge-shaped arc profile (9) is provided around the periphery of the cam plate supporting shaft (2) and of the borehole (5) of the cam plates (3).

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