

Title (en)

DRIVE ARRANGEMENT FOR A CAMSHAFT IN AN INTERNAL COMBUSTION ENGINE

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Application

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Priority

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Abstract (en)

[origin: WO9000670A1] A drive arrangement for a camshaft (2) in an internal combustion engine comprises a device for rotating the camshaft (2) relative to a drive wheel (5). This device has a gear-change sleeve (11) coaxial with the camshaft (2) and axially mobile between two end positions, which is connected to the drive wheel (5) by a spiral gear (12, 13) and to the camshaft (2) by a straight gear (15, 16). To obtain a compact arrangement and to allow one and the same cylinder head to be fitted with either an ordinary camshaft or a camshaft drive with variable valve control times, the camshaft (2) ends in the direction of the drive wheel (5), after a cam (3a), and the support bearing (9), which in an ordinary camshaft serves to support the camshaft between the last cam and the drive wheel, is used to support the hub (7) of the drive wheel (5). The drive wheel (5) is supported on the other side by a second hub (8) in a bearing (10) in the cylinder head (1), the bearing opening of which is closed by a cover if an ordinary camshaft is used.

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