

Title (en)
DRIVE ARRANGEMENT FOR A CAMSHAFT

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Application
EP 91904642 A 19910225

Priority
DE 4007181 A 19900307

Abstract (en)
[origin: DE4007181A1] A drive arrangement for a camshaft (3) of an internal combustion engine has a device which rotates the camshaft (3) relative to a coaxial drive wheel (5). The device has a control element (6) which co-operates with the drive wheel through a first spur-cut pair (7, 9) and with the camshaft (3) through a second helical-cut pair (8, 11) and which can be displaced axially by a positioning motor. The teeth of the gear pairs are arranged one behind the other in the peripheral direction between the control element (6) and the drive wheel (5) on the one hand and between the control element (6) and the camshaft (3) on the other hand, i.e., a gear pair between control element (6) and drive wheel (5) follows a gear pair between control element (6) and camshaft (3) in the peripheral direction. As a result, minimal space is required for adjustment of the camshaft.

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