

Title (en)
CAM SHIFTING ARRANGEMENT FOR INTERNAL COMBUSTION ENGINE

Title (de)
VORRICHTUNG ZUR NOCKENWELLENVERSTELLUNG EINER BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF DE SELECTION DE CAME POUR MOTEUR À COMBUSTION INTERNE

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Application
EP 15738599 A 20150625

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Abstract (en)
[origin: WO2015197777A1] The invention relates to a device for adjusting a camshaft of an internal combustion engine, comprising a lifting profile assembly (10) which is provided in a rotationally fixed manner on or at an axially moveably mounted camshaft, and which forms a control groove (12) having a groove depth that varies along a direction of rotation, and comprising actuating means (Fig. 4) which are designed to cause an axial movement by controlled engaging in the control groove, and which have an electromagnetically driveable tappet unit (P1, P2), wherein the tappet unit cooperates with the control groove in such a way that, when rotating, same can exert a reset- or driver effect on the tappet unit in a predetermined groove section, wherein the tappet unit has at least two neighbouring and preferably axially parallel individual tappets (P1, P2), said tappets being independently driveable, wherein the control groove, designed to engage using a first of the individual tappets (P2), forms a radially peripheral wall at least along a peripheral groove side in such a way that a neighbouring second of the individual tappets (P1) is positioned outside the control groove during rotation, and wherein, outside the control groove (12), the lifting profile assembly is provided with a radially height-variable and/or ramp section (20) for cooperating with the second individual tappet, in such a way that a resetting and/or driving of the second individual tappet (P1) is caused when the first individual tappet (P2) is reset or driven against a tappet drive direction using the control groove.

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See references of WO 2015197777A1

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