

Title (en)

ACTUATING DEVICE FOR TWO PARALLEL ROTATING CAMSHAFTS

Title (de)

BETÄTIGUNGSEINRICHTUNG FÜR ZWEI PARALLEL DREHENDE NOCKENWELLEN

Title (fr)

DISPOSITIF D'ACTIONNEMENT POUR DEUX ARBRES À CAMES TOURNANT EN PARALLÈLE

Publication

EP 2079903 B1 20120215 (DE)

Application

EP 07821522 A 20071018

Priority

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- DE 102006049243 A 20061018

Abstract (en)

[origin: US2010126443A1] The invention relates to an actuating device for two parallel rotating camshafts. The aim of the invention is to optimize the installation space required for such a device. For this purpose, both camshafts (3, 4) consist of two shafts that rotate concentrically one inside the other and that can be rotated in relation to each other. On one end of the camshafts (3, 4), one of the two shafts (3', 3"; 4', 4") is driven by the crankshaft (1) via a single, directly acting force-transmitting element (2). A phase adjuster (5) is provided on the other end of the camshafts (3, 4) and allows the simultaneous adjustment of both shafts (3", 4"; 3', 4') in relation to each other by means of a force-transmitting element (6) acting on the phase adjuster (5). Said force-transmitting element connects a region of a camshaft (3, 4) that is firmly connected to an inner or outer shaft (3", 4"; 3', 4') to an inner or outer shaft (3", 4"; 3', 4'), to be adjusted accordingly, of the other camshaft (4, 3) in a force-transmitting manner.

IPC 8 full level

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CPC (source: EP US)

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