

Title (en)

Adjustable camshaft for a piston machine controlled by valves, in particular for an internal combustion engine

Title (de)

Verstell-Nockenwelle für eine ventilgesteuerte Hubkolbenmaschine, insbesondere Brennkraftmaschine

Title (fr)

Arbre à cames réglable pour machine à pistons linéaires commandée par soupapes, en particulier pour moteur à combustion interne

Publication

EP 0829620 B1 20000712 (DE)

Application

EP 97114533 A 19970822

Priority

DE 19637416 A 19960913

Abstract (en)

[origin: EP0829620A2] Adjustment cams (3,3',4) are axially positioned between the face sides (6) of axially extending bearing bushes (8) provided separately on the camshaft (1) and in recesses (7) of divided bearing supports (5). The bearing bushes are made of a material with the same or similar heat expansion value as that of the machine-side bearing arrangements (5). The camshaft for angle adjustment of the cams is axially displaceably arranged by using an adjuster (9) in the bearing bushes (8). A bearing bush (8) in an end bearing arrangement forms a track bearing (10), which on the one hand is non-rotatably connected with a drive flange (11) of a camshaft rotary drive (13) and on the other hand via a profile with the camshaft (1).

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F01L 1/344

IPC 8 full level

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