

Title (en)

SWITCHABLE CAM FOLLOWER OF A VALVE TRAIN OF AN INTERNAL COMBUSTION ENGINE

Title (de)

SCHALTBARER SCHLEPPHEBEL EINES VENTILTRIEBS EINER BRENNKRAFTMASCHINE

Title (fr)

LEVIER ENTRAINE COMMUTABLE D'UN MECANISME DE DISTRIBUTION D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Priority

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Abstract (en)

[origin: US7712443B2] The invention relates to a switchable cam follower of a valve train of an internal combustion engine, comprising an outer follower and an inner follower interposed between the lateral walls thereof. A roller extends between arms of the inner follower, float-mounted on a pin, as the counter face for an eccentric disk. The followers are disposed on one end on a common axis. On the distal end, they have elongate seats that, at the base of the cam, are mutually aligned. A coupling element is located in the seat of the outer follower and can be displaced step by step into the seat (here follower surface) of the inner follower. The pin on the inner follower slightly projects over the arms of the inner follower with one projection each. When coupled, upper sides of the projections rest against lower sides of stop surfaces that are mounted on the inner surfaces of the lateral walls of the outer follower.

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