

Title (en)
MEANS FOR ADJUSTING THE IGNITION TIME FOR AN INTERNAL-COMBUSTION ENGINE

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EP 0147555 B1 19890628 (DE)

Application
EP 84112554 A 19841018

Priority
DE 3342920 A 19831126

Abstract (en)
[origin: EP0147555A2] 1. Means for advance adjusting of the ignition time on an ignition distributor (10) for an internal-combustion engine under part-load and in idling and overrun operation, with a vacuum box (14), which has a first diaphragm (27), by which a first working chamber (25) in the vacuum box is bounded, which chamber is connected via a line (18) to the intake port (20) of the internal-combustion engine slightly upstream of the throttle valve (21) in its closed position, which first diaphragm (27) can be lifted by vacuum in the first working chamber (25) off a fixed stop (33) against the force of a first restoring spring (37) with a second diaphragm (28), which is connected to a linkage (16), which linkage is connected on the other hand to an ignition timing part (11) on the ignition distributor (10), which second diaphragm (28) is on the one hand subjected to atmospheric (28) is on the one hand subjected to atmospheric pressure and on the other hand bounds a second working chamber (29), which is subjected to a control pressure and through which the second diaphragm can be adjusted against the force of a second restoring spring (43) until contact is made by a stop part (40, 45) connected to the second diaphragm with a stop part (36) connected to the first diaphragm (27), characterized in that the first diaphragm (27) and the second diaphragm (28) jointly bound the second working chamber (29), the second restoring spring (43) supports itself between the first diaphragm (27) and the second diaphragm (28) and the control pressure is the pressure in the suction area of the intake port (20) downstream of the throttle valve (21).

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F02P 5/04 (2006.01); **F02P 5/10** (2006.01)

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Cited by
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