

Title (en)
DEVICE FOR MOVING A VALVE FLAP

Title (de)
EINRICHTUNG ZUM VERSTELLEN EINER VENTILKLAPPE

Title (fr)
DISPOSITIF POUR DEPLACER UN CLAPET DE SOUPAPE

Publication
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Application
EP 98938642 A 19980624

Priority
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Abstract (en)
[origin: US6338330B1] An apparatus for moving a valve flap, especially in the air intake duct of an internal combustion engine, including a vacuum box (20) which executes a longitudinal movement in dependence on the application of a negative pressure or vacuum, and the longitudinal movement of the vacuum box is transmitted via a coupling rod (16) to a traverse rod (15), which in turn is connected to an actuating lever (13) for the valve flap (11). The coupling rod (16) and traverse rod (15) system allows the vacuum box to be arranged in any position relative to the valve flap (11). The apparatus can be simplified further by combining the diaphragm disk (27) with the coupling rod (16) to form a single, integral part. In this case, a force is exerted eccentrically on the vacuum box. The eccentrically exerted force can be compensated by the diaphragm having a shape other than a round contour.

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