

Title (en)
POWER MACHINE VALVE CONTROL

Title (de)
VENTILSTEUERUNG FÜR MOTOREN

Title (fr)
COMMANDE DE SOUPAPE DANS UNE MACHINE A MOTEUR

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Application
EP 97932118 A 19970710

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Abstract (en)
[origin: WO9802644A1] The present invention is for the kind of power machines, engines or compressors which have two or more pistons which work against each other, preferably with a common combustion or compression chamber in a stationary cylinder and where the power is transmitted to a rotating movement without an intermediate crankshaft. It is an object of the present invention to obtain such power machine having a simple valve control means. One such device has two parallel plane discs, one stationary disc (8) and one relatively thereto rotating disc (13). The stationary disc (8) is mounted to a housing (9) and the disc (8) in turn has one in its centre positioned cylinder (1) with two end walls (2, 3). In the cylinder there are two pistons (4, 5) which are working pistons of a combustion engine and have a common combustion chamber. At the centre of the cylinder bore adjacent to the upper dead centres, UDC, of the pistons and at opposite sides thereof there are two valves (50, 51). The valve shafts at the ends which are turned only from the cylinder contact a controlling curve or surface (56) which is a part of the rotating disc. On the control curve there are raised parts (57, 58) at which the valves are opened when disc rotates.

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