

Title (en)  
VALVE MECHANISM WITH A VARIABLE VALVE OPENING CROSS-SECTION

Title (de)  
VENTILMECHANISMUS MIT EINEM VARIABLEN VENTILÖFFNUNGSQUERSCHNITT

Title (fr)  
MECANISME DE SOUPAPE COMPORTANT UNE SECTION D'OUVERTURE DE SOUPAPE VARIABLE

Publication  
**EP 1421261 A1 20040526 (DE)**

Application  
**EP 02732390 A 20020412**

Priority  
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Abstract (en)  
[origin: WO03018966A1] The invention relates to a valve mechanism with a variable valve opening cross-section. The valve mechanism is arranged on the outlet of the internal combustion engine and comprises a gas exchange valve is impinged upon by the force of a valve spring and which can be displaced backwards and forwards in an axial direction inside a guide by a valve control unit. According to the invention, a sealing slide valve (10) is arranged coaxially in relation to the gas exchange valve (12) and is impinged upon by the force of a coupling spring (24) and is displaced backwards and forwards in the axial direction thereof by the valve control unit. The position of the sealing slide valve (10) can be altered in relation to the gas exchange valve (12) in an axial direction by a control unit.

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