

Title (en)  
CONTROLLED PNEUMATIC VALVE

Title (de)  
VORGESTEUERTES PNEUMATISCHES VENTIL

Title (fr)  
DEMANDE DE BREVET D'INVENTION

Publication  
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Application  
**EP 02704850 A 20020215**

Priority

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Abstract (en)  
[origin: FR2821140A1] The invention relates to a controlled pneumatic valve intended for the remote inflating and deflating of an enclosed space (2) comprising a diaphragm (18) which is disposed between a semi-body (15) and a grooved ring (16). The diaphragm and the semi-body define a control chamber (19) while said diaphragm and the grooved ring define an exhaust chamber (20). Said exhaust chamber communicates with (i) a bore (2a) that opens into the enclosed space (2) and (ii) the control chamber (19) by means of a non-return valve (32) which is housed in a body (22). The control chamber (19) is connected to a pressure-vacuum circuit (3) by means of a tube (26). Said servo valve (32) pushes the diaphragm (18) in order to close the bore. The valve comprises a mechanical means (28) which is controlled by the diaphragm and which is used to open the non-return valve (32) in conjunction with the force of the pressure in order to produce a low-pressure opening in said non-return valve. Said means comprises a bridge (29) that is fixed to the diaphragm (18) and a pin (30) which is disposed opposite the non-return valve. The invention is suitable for low-pressure tyre control.

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