

Title (en)  
MAGNETIC NON-RETURN VALVE

Title (de)  
MAGNETISCHES RÜCKSCHLAGVENTIL

Title (fr)  
CLAPET ANTIRETOUR MAGNÉTIQUE

Publication  
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Application  
**EP 22741278 A 20220708**

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Abstract (en)  
[origin: WO2023281104A1] The invention relates to a magnetic non-return valve (100) having a valve body (1) and a valve housing arrangement (2), wherein the valve body (1) is guided so as to be axially displaceable in the valve housing arrangement (2) and closes the fluid duct (3) of the valve housing arrangement (2) by way of a holding force acting counter to the direction of flow, wherein the axial holding force is generated by a repelling magnet arrangement, wherein a concentric piston (7) connected to the valve body (1) via the end face comprises a first magnet arrangement (4) and the valve body guide (6) comprises a second magnet arrangement (5), wherein the first magnet arrangement (4) is arranged in a cavity of the piston (7) and is enclosed so as to be media-tight on all sides, and the second magnet arrangement is arranged in a cavity of the valve body guide (6) and is enclosed so as to be media-tight on all sides.

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