

Title (en)

VALVE, IN PARTICULAR SUCTION VALVE, IN A HIGH-PRESSURE PUMP OF A FUEL INJECTION SYSTEM

Title (de)

VENTIL, INSBESONDERE SAUGVENTIL, IN EINER HOCHDRUCKPUMPE EINES KRAFTSTOFFEINSPRITZSYSTEMS

Title (fr)

SOUPAPE, NOTAMMENT SOUPAPE D'ASPIRATION, DANS UNE POMPE D'ALIMENTATION HAUTE PRESSION D'UN SYSTÈME D'INJECTION DE CARBURANT

Publication

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Application

**EP 16754216 A 20160802**

Priority

- DE 102015218054 A 20150921
- EP 2016068379 W 20160802

Abstract (en)

[origin: WO2017050470A1] The invention relates to a valve, in particular a suction valve, in a high-pressure pump of a fuel injection system, comprising a valve element (14) which moves between an open position and a closed position, and which is connected to an actuation element (8, 10). Both elements are in mechanical contact at least indirectly with one another. It is now possible for the actuation element (8, 10) to transmit an actuation force to the valve element (14), in order to move same into an open state. According to the invention, the contact surface between the two elements is provided with trough-shaped recesses (20), in order to separate the mechanical contact region (24) between the two elements from the cavitation region (22).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2017050470A1

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