

Title (en)  
VALVE COMPRISING RADIAL RECESSES

Title (de)  
VENTIL MIT RADIALEN AUSNEHMUNGEN

Title (fr)  
SOUPAPE DOTEE DE CAVITES RADIALES

Publication  
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Application  
**EP 02732350 A 20020323**

Priority  
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Abstract (en)  
[origin: WO02090761A1] The invention relates to a valve comprising a valve needle (2), which can be axially displaced inside a borehole (5) of a valve body (3) and whose one end is provided with a conical valve needle tip (4). The valve needle tip (4) has a radial valve sealing surface (9), which rests against a conical valve body inner wall (6) at the closed end of the borehole (5) when the valve is in the closed position. At least one opening (7) is located in the conical valve body inner wall (6) and serves to connect the borehole (5) to the outer side (8) of the valve body (3). The valve contains two radial recesses (12, 13, 16, 17), which are located in the valve needle tip (4) or in the valve body inner wall (6). One of the radial recesses (13, 17) is located up (10) and the other radial recess (12, 16) is located down (11) from the position of the valve sealing surface (9) when the valve is in the closed position.

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