

Title (en)  
NOZZLE HEAD AND FLUID INJECTION VALVE

Title (de)  
DÜSENKOPF UND FLUID-EINSPRITZVENTIL

Title (fr)  
TÊTE DE BUSE ET INJECTEUR DE FLUIDE

Publication  
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Application  
**EP 14814794 A 20141208**

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Abstract (en)  
[origin: WO2015086536A1] A nozzle head (11) for atomizing a fluid for a fluid injection valve with a valve body, through which flow can pass, is specified. The nozzle head (11) has a longitudinal axis (14) and has a nozzle perforated disc (10) which has a front surface (16) and an inner surface (26) which lies opposite the former. The nozzle perforated disc (10) has at least one nozzle hole channel (12; 13) which completely penetrates the nozzle perforated disc (10) in the direction of the longitudinal axis (14) and has an entry surface (22) at the first channel end (18) thereof and an outlet surface (24) at the second channel end (20) thereof which faces away from the first channel end (18), wherein the entry surface (22) is formed on the inner surface (26). A nozzle hole projection (25) of the nozzle hole channel (12; 13) has a channel wall (40), wherein the channel wall (40) has a wall height (h) which extends away from the inner surface (26), starting from the front surface (16), in the direction of the longitudinal axis (14) and is configured over a circumference of the nozzle hole projection (25) in such a way that the second channel end (20) corresponds to a channel wall end (46) of the channel wall (40), which channel wall end (46) is configured so as to face away from the front surface (16). Furthermore, a valve body and a fluid injection valve are specified.

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