

Title (en)
NOZZLE ASSEMBLY FOR A FLUID INJECTOR AND FLUID INJECTOR

Title (de)
DÜSENBAUGRUPPE FÜR EINEN FLUIDINJEKTOR UND FLUIDINJEKTOR

Title (fr)
ENSEMBLE DE BUSEX POUR INJECTEUR DE FLUIDE ET INJECTEUR DE FLUIDE

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Abstract (en)
[origin: WO2014053375A1] The invention relates to a nozzle assembly (1) for a fluid injector. The nozzle assembly (1) comprises a nozzle body (2) with a central axis (Z), the nozzle body (2) having a nozzle body recess (21), at least one injection opening (22) and an outer wall (24) facing away from the nozzle body recess. The nozzle assembly (1) further comprises a nozzle tension nut (3) by means of which the nozzle body (2) can be coupled to an injector body (4), the nozzle tension nut (3) having an inner wall (31) facing the outer wall (24) of the nozzle body (2). The nozzle body (2) and the nozzle tension nut (3) are formed such that, under the effect of an operational pressure exerted in ordinary operation by a metered fluid onto the nozzle body recess (21), the outer wall (24) of the nozzle body (2) rests, at least in part, against the inner wall (31) of the nozzle tension nut (3) in the radial direction (200). The invention further relates to a fluid injector with a nozzle assembly (1) and an injector body (4).

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