

Title (en)

NOZZLE BODY FOR A FLUID INJECTOR AND FLUID INJECTOR

Title (de)

DÜSENKÖRPER FÜR FLÜSSIGKEITSEINSPRITZVENTIL UND FLÜSSIGKEITSINJEKTOR

Title (fr)

CORPS DE BUSE POUR UN INJECTEUR DE FLUIDE ET INJECTEUR DE FLUIDE

Publication

EP 3156640 A1 20170419 (EN)

Application

EP 15189685 A 20151014

Priority

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Abstract (en)

A nozzle body (1) for a fluid injector (30) comprises a nozzle wall (3), an opening (5), a longitudinal axis (L) and a fluid inlet end (21) as well as a fluid outlet end (22). The nozzle body (1) further comprises a needle seat (7) and a flow hole (17) which penetrates the nozzle wall (3) in the region of the fluid outlet end (22) from the opening (5) to outside of the nozzle body (1). A sac volume portion (9) of the nozzle wall (3) is formed between the needle seat (7) and the flow hole (17) with respect to the longitudinal axis (L) and limits a cavity (10) to generate a stagnating flow area for a streaming fluid.

IPC 8 full level

F02M 61/18 (2006.01)

CPC (source: EP)

F02M 61/1873 (2013.01); **F02M 61/1886** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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