

Title (en)

NEEDLE STROKE SWITCH AND FUEL INJECTOR HAVING SUCH A NEEDLE STROKE SWITCH

Title (de)

NADELHUBSCHALTER UND KRAFTSTOFFINJEKTOR MIT EINEM SOLCHEN NADELHUBSCHALTER

Title (fr)

COMMUTATEUR DE COURSE D'AIGUILLE ET INJECTEUR DE CARBURANT DOTÉ DUDIT COMMUTATEUR DE COURSE D'AIGUILLE

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Application

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Abstract (en)

[origin: WO2021198024A1] The invention relates to a needle stroke switch and to a fuel injector having such a needle stroke switch, the needle stroke switch for a fuel injector comprising a seat plate having a plate-like main body and a passage connecting the two planar sides of the plate-like main body, an anchor element which can be lifted off from the passage in the seat plate and can be placed thereon to form a seal, and a control valve which is arranged on the side of the seat plate opposite the anchor element and is designed to interact with a nozzle needle. The seat plate is electrically isolated from an injector housing surrounding it and an electrical connection to the injector housing is possible only via the nozzle needle which interacts with the seat plate. Furthermore, the needle stroke switch is characterised in that at least one ceramic and/or plastic part is provided which contacts the seat plate in order to isolate the seat plate from the injector housing surrounding it.

IPC 8 full level

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