

Title (en)

VALVE SEAT BODY FOR A FLUID INJECTOR OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VENTILSITZKÖRPER FÜR EINEN FLUIDINJEKTOR EINER BRENNKRAFTMASCHINE

Title (fr)

CORPS DE SIÈGE DE SOUPAPE POUR UN INJECTEUR DE FLUIDE D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3783220 A1 20210224 (EN)**

Application

**EP 19193113 A 20190822**

Priority

EP 19193113 A 20190822

Abstract (en)

A valve seat body (120) for a fluid injector (100) of an internal combustion engine, wherein the valve seat body (120) extends in axial direction along a central longitudinal axis (160), wherein the valve seat body (120) comprises a plurality of flow holes (340) through which fluid flows from an inlet portion of the flow holes (340) to an outlet portion of the flow holes (340) when the fluid injector (100) is in operation, and wherein the valve seat body (120) comprises an inner surface (200) which is configured to form a sealing edge (270) between the inner surface (200) and a valve needle of the fluid injector (100) when the fluid injector (100) is in operation.

IPC 8 full level

**F02M 61/18** (2006.01)

CPC (source: EP)

**F02M 61/1866** (2013.01); **F02M 61/188** (2013.01)

Citation (search report)

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- [Y] US 2006124774 A1 20060615 - DANTES GUENTER [DE], et al
- [X] DE 102010030934 A1 20120105 - BOSCH GMBH ROBERT [DE]
- [X] US 2013270369 A1 20131017 - PETERS LESTER L [US], et al

Designated contracting state (EPC)

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