

Title (en)

Method for determining a set of a valve needle and a valve seat assembly of an injection valve

Title (de)

Verfahren zur Bestimmung der Zusammenstellung einer Ventilnadel und einer Ventilsitzanordnung eines Einspritzventils

Title (fr)

Procédé pour déterminer un jeu composé par une aiguille de vanne et par un assemblage de siège d'un injecteur

Publication

EP 2025923 B1 20110413 (EN)

Application

EP 07015380 A 20070806

Priority

EP 07015380 A 20070806

Abstract (en)

[origin: EP2025923A1] The method is carried out with a valve assembly shell (56) comprising a valve body (4) with a cavity (8) having a fluid inlet portion (42) and a fluid outlet portion (44), and a valve seat assembly (32) with a seat plate (26) and a guiding element (28) for guiding the valve needle (10). The valve needle (10) is axially movable in the cavity (24), the valve needle (10) prevents a fluid flow through the fluid outlet portion (44) in a closing position and releases the fluid flow through the fluid outlet portion (44) in further positions, and the valve needle (10) and the valve seat assembly (32) are designed to enable a fluid flow between the fluid inlet portion (42) and the fluid outlet portion (44) following a first flow path (66) through a gap (74) between the valve needle (10) and the guiding element (28) and a second flow path (68) through the valve seat assembly (32).

IPC 8 full level

F02M 61/12 (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP)

F02M 61/168 (2013.01); **F02M 65/001** (2013.01); **F02M 61/12** (2013.01); **F02M 61/18** (2013.01); **F02M 2200/8092** (2013.01)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 2025923 A1 20090218; **EP 2025923 B1 20110413**; DE 602007013891 D1 20110526

DOCDB simple family (application)

EP 07015380 A 20070806; DE 602007013891 T 20070806