

Title (en)
DEVICE FOR ADJUSTING THE ARMATURE STROKE OF A SOLENOID VALVE

Title (de)
VORRICHTUNG ZUR EINSTELLUNG EINES ANKERHUBS EINES MAGNETVENTILS

Title (fr)
DISPOSITIF POUR REGLER UN TRAJET D'INDUIT D'UNE ELECTROVANNE

Publication
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Application
EP 03799425 A 20030626

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Abstract (en)
[origin: WO2004040126A1] The invention relates to a device for adjusting the stroke of the armature (3) of a solenoid valve by activating the permanent magnet (11) of a solenoid valve (1). The inventive device comprises a thrust sleeve (4) arranged in an axial guide (10) in such a way that it is axially adjustable with respect to the main body (2) of the solenoid valve (1) and comprises a thrust which makes it possible to limit the axial stroke of the armature. Said device also comprises a movable adjusting element (5) consisting of two threaded sections (6, 7) which have different threads (P) and an identical thread direction and make it possible to adjust the position of the thrust sleeve (4). The first threaded section is connected to the corresponding threaded section (8) of the thrust sleeve (4), the second threaded section (7) is connected to the corresponding threaded section (9) of the main body (2). The inventive solenoid valve (1) which is provided with said device and is used, in particular for a fuel injector is also disclosed.

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