

Title (en)

An electromagnetically operated fuel metering and atomising valve.

Title (de)

Elektromagnetisch betätigbares Kraftstoffdosier- und Zerstäubungsventil.

Title (fr)

Soupape à commande électromagnétique de dosage et de pulvérisation de carburant.

Publication

EP 0649983 A1 19950426 (EN)

Application

EP 94116845 A 19941025

Priority

IT BO930424 A 19931026

Abstract (en)

The valve includes a tubular casing (2), an electromagnet (3) defined by a tubular former (4) and an electrical winding (5), a tubular body (6), a portion (7) of which constitutes the core of the magnetic circuit defined in the valve, a movable valve shutter member (8) controlling the flow of fuel through an injection orifice (11) and a tubular armature (12) attracted by the portion (7) of the body (6) when the electromagnet (3) is excited and thereby determining the stroke of the valve shutter member (8). The main characteristic of the valve lies in the fact that it includes an axial interlock between the casing (2) and the former (4), this interlock having at least of a tongue (36) formed in the casing (2) and engaging a groove (25) in the former (4) <IMAGE>

IPC 1-7

F02M 61/16; **F02M 51/06**

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 51/0667 (2013.01); **F02M 61/168** (2013.01)

Citation (search report)

- [A] EP 0536774 A1 19930414 - WEBER SRL [IT]
- [A] GB 804116 A 19581105 - CAV LTD
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 73 (M - 368) 3 April 1985 (1985-04-03)

Cited by

EP3301293A1; WO9940315A1; WO0238942A1; WO9805861A1

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DOCDB simple family (publication)

EP 0649983 A1 19950426; **EP 0649983 B1 19980121**; DE 69408084 D1 19980226; DE 69408084 T2 19980610; ES 2113029 T3 19980416; IT 1264720 B1 19961004; IT BO930424 A0 19931026; IT BO930424 A1 19950426

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