

Title (en)

A fuel injector for internal combustion engines

Title (de)

Kraftstoffeinspritzdüse für Verbrennungsmotoren

Title (fr)

Injecteur de carburant pour moteurs à combustion interne

Publication

**EP 2405127 B1 20130403 (EN)**

Application

**EP 10168684 A 20100707**

Priority

EP 10168684 A 20100707

Abstract (en)

[origin: EP2405127A1] A fuel injector for internal combustion engines, comprising: - an atomizer (10) having a longitudinal bore (14) and a plurality of nozzle bores (16) having inlet openings (18) facing into said longitudinal bore (14), said inlet openings (18) being divided into an upper group and a lower group, spaced apart from each other in a longitudinal direction (A), and - a cut-off element (22) extending into said longitudinal bore (14) of the atomizer (10), the cut-off element (22) being movable in said longitudinal direction (A) between an open and a closed position, wherein the longitudinal bore (14) and the cut-off element (22) have respective upper and lower sealing portions (24, 28, 26, 30) cooperating with each other in said closed position of the cut-off element (22) to define an upper and a lower cut-off section (32, 34) which extend, respectively, above the upper group of inlet openings (18) and below the lower group of inlet openings (18).

IPC 8 full level

**F02M 61/04** (2006.01); **F02M 61/10** (2006.01); **F02M 61/12** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP KR)

**F02M 61/042** (2013.01 - EP KR); **F02M 61/12** (2013.01 - EP KR); **F02M 61/182** (2013.01 - EP KR)

Cited by

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DOCDB simple family (publication)

**EP 2405127 A1 20120111**; **EP 2405127 B1 20130403**; CN 102312763 A 20120111; CN 102312763 B 20170301; DK 2405127 T3 20130422; JP 2012017732 A 20120126; JP 5822254 B2 20151124; KR 20120004911 A 20120113

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