

Title (en)

Purging method and system with scraper or wiper ring for preventing formation of deposits inside fuel pump

Title (de)

Reinigungsverfahren und -system mit Abstreifring zur Vermeidung der Bildung von Ablagerungen im Innern einer Kraftstoffpumpe

Title (fr)

Procédé de purge et système avec racleur ou anneau racleur pour empêcher la formation de dépôts dans une pompe à carburant

Publication

**EP 2339166 A1 20110629 (EN)**

Application

**EP 09015969 A 20091223**

Priority

EP 09015969 A 20091223

Abstract (en)

The present disclosure refers to a fuel injection system (100) configured to supply fuel as, e.g., heavy fuel oil to injection nozzles (105) of a large internal combustion engine (5). The system may comprise a fuel injection pump (110) configured to measure fuel as, e.g., heavy fuel oil into correct amounts for injection, building up a high pressure, and delivering it to at least one injection nozzle (110) of the large internal combustion engine (5) at the proper time. The fuel injection pump (110) may include a pump barrel (10) extending along a longitudinal direction and having a barrel wall (12), and a plunger (13) configured to reciprocate within the pump barrel (10) and guided by the barrel wall (12). At least one scraper ring (210; 220) may be attached to one of the plunger (13) and the barrel inner wall (12) and configured to slide along the other of the plunger (13) and the barrel inner wall (12).

IPC 8 full level

**F02M 59/44** (2006.01)

CPC (source: EP)

**F02M 59/44** (2013.01); **F02M 59/442** (2013.01)

Citation (applicant)

- EP 0537911 B1 19950524 - LUCAS IND PLC [GB]
- GB 2260374 A 19930414 - LUCAS IND PLC [GB]
- US 2130339 A 19380920 - HANS DUNKELMANN
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Citation (search report)

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Designated extension state (EPC)

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**EP 2339166 A1 20110629**; CN 102741541 A 20121017; KR 20120112620 A 20121011; WO 2011076296 A1 20110630

DOCDB simple family (application)

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