

Title (en)

Injection Nozzle System and Method for Operating an Injection Nozzle System

Title (de)

Einspritzdüsensystem und Verfahren zum Betreiben des Einspritzdüsensystems

Title (fr)

Système de buse à injection et procédé de fonctionnement d'un système de buse à injection

Publication

EP 2397684 B1 20131106 (EN)

Application

EP 10166513 A 20100618

Priority

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Abstract (en)

[origin: EP2397684A1] The present disclosure refers to an injection nozzle system (10) that can comprise a needle (12), a needle guide member (14) configured to guide the needle (12) between a fuel injection state and a closed state of the injection nozzle system (10), and a nozzle hood (30) configured to essentially surround the needle guide member (14) with the exception of a face of the needle guide member (14) at a nozzle holder side of the injection nozzle system (10), the nozzle hood (30) comprising a blind hole (22) fluidly connected via an opening to a high pressure fuel path of the injection nozzle system (10) and via a plurality of nozzle spray holes (24) to an outside of the nozzle hood (30), wherein in the mounted state the nozzle hood (30) and the needle guide member (14) contact each other at a first sealing zone (29) and at a second sealing zone (31) and form a gap between the hood (30) and the needle guide member (14) and the gap is limited by the first sealing zone (29) and the second sealing zone (31), and the injection nozzle system (10) comprises a pressure relief path (76, 176, 276) connecting the gap with an outside of the injection nozzle system (10) at the nozzle holder side.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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