

Title (en)

FLEXURE SEAL FOR FUEL INJECTION NOZZLE

Title (de)

FLEXIBLE DICHTUNG FÜR KRAFTSTOFFEINSPRITZDÜSE

Title (fr)

JOINT DE FLEXION POUR BUSE D'INJECTION DE CARBURANT

Publication

EP 3425275 B1 20201118 (EN)

Application

EP 18169078 A 20080917

Priority

- US 99405307 P 20070917
- EP 08832161 A 20080917
- US 2008076610 W 20080917

Abstract (en)

[origin: WO2009039142A2] A nozzle includes an inlet at an upstream end of the nozzle, a discharge outlet at a downstream end of the nozzle, and a fluid delivery passage extending between the inlet and the discharge outlet. Exterior and interior walls of the nozzle have downstream tip ends that are relatively longitudinally movable at one or more interfaces. An internal insulating gap is interposed between the interior and exterior walls to insulate fuel from ambient temperature conditions exterior to the nozzle. One or more flexible seal structures internal to the nozzle isolate a portion of the insulating gap from any ambient fluid entering into the gap through the one or more interfaces while providing relative movement between interior and exterior walls of the nozzle.

IPC 8 full level

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CPC (source: EP)

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