

Title (en)

Optimisation of an anti-coke film in an injection system

Title (de)

Optimierung einer Antikoksschicht in einem Einspritzsystem

Title (fr)

Optimisation d'un film anti-coke dans un systeme d'injection

Publication

**EP 2014988 B1 20121121 (FR)**

Application

**EP 08159886 A 20080708**

Priority

FR 0756450 A 20070712

Abstract (en)

[origin: EP2014988A1] The system has an annular expansion ring (20) that is coaxial with a fuel injector, a primary spin that is coaxial with the ring, and a venturi placed downstream of the spin. The ring has an annular slot (32) that is convergent tapered towards downstream and opened towards downstream. An axis of each hole (26) of the slot forms an angle with a main axis (A) such that air releasing the holes impacts a lower wall (38) of the slot near the main axis. The angle is strictly higher than an angle formed by a cone surface defining the slot with the main axis.

IPC 8 full level

**F23R 3/28** (2006.01); **F23R 3/14** (2006.01)

CPC (source: EP US)

**F23R 3/14** (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US); **F05D 2240/35** (2013.01 - EP US); **F05D 2250/323** (2013.01 - EP US)

Cited by

FR2994713A1; EP3309458A1; CN107796016A; FR2941288A1; EP2400220A3; US10712008B2; US9562690B2; US8590312B2; WO2010081940A1

Designated contracting state (EPC)

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