

Title (en)

Device and method for spraying fuel into the exhaust gas flow of an internal combustion engine, in particular for regenerating a particulate filter

Title (de)

Vorrichtung und Verfahren zur Eindüsung von Kraftstoff in den Abgasstrang einer Brennkraftmaschine, insbesondere zur Regeneration eines Partikelfilters

Title (fr)

Dispositif et procédé d'injection de carburant dans le flux de gaz d'échappement d'un moteur à combustion interne, notamment pour la régénération d'un filtre à particules

Publication

EP 2169192 B1 20160302 (DE)

Application

EP 09009306 A 20090717

Priority

DE 102008049807 A 20080930

Abstract (en)

[origin: EP2169192A1] The device has a dosing valve (20) and a valve element (25) for adjusting a supply of compressed air and fuel to a nozzle element (23) corresponding to preset control parameters. A compressed air pipe (21) upstream of the nozzle element is brought together with a fuel pipe (18), such that the air and fuel pipes form a single common supply pipe (22) guided to the nozzle element. The fuel pipe branches off from a fuel supply pipe (17) guided to an internal combustion engine (3). The fuel supply pipe is provided downstream and upstream of low- and high pressure pumps, respectively. An independent claim is also included for a method for operating a device for injecting fuel into an exhaust gas system of an internal combustion engine.

IPC 8 full level

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CPC (source: EP)

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