

Title (en)

EXHAUST AFTERTREATMENT DEVICE FOR DOSING A LIQUID EXHAUST AFTERTREATMENT AGENT

Title (de)

ABGASNACHBEHANDLUNGSEINRICHTUNG ZUM EINDOSIEREN EINES FLÜSSIGEN ABGASNACHBEHANDLUNGSMITTELS

Title (fr)

DISPOSITIF DE RETRAITEMENT DE GAZ D'ÉCHAPPEMENT PERMETTANT L'INTRODUCTION DOSÉE D'UN AGENT DE RETRAITEMENT DE GAZ D'ÉCHAPPEMENT

Publication

**EP 3752721 A1 20201223 (DE)**

Application

**EP 19700042 A 20190103**

Priority

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Abstract (en)

[origin: WO2019158269A1] The invention relates to an exhaust aftertreatment device (7) for metering a liquid aftertreatment agent into an exhaust stream of an internal combustion engine, comprising a mixing chamber (22), in which the exhaust aftertreatment agent is mixed with the exhaust stream, a mixing chamber (22) having a circularly cylindrical mixing pipe (8), which has a funnel-shaped end section (9) widening the periphery toward a free end, having a funnel element (17) opening at least partly conically in the direction of the mixing pipe (8), which has a plurality of passage openings (18) in the lateral wall (19) of the funnel element, and wherein an injection valve (21) for the exhaust aftertreatment agent is arranged at the end of the funnel element (17) that faces away from the mixing tube (8), in order to inject the exhaust aftertreatment agent into the funnel element (17). According to the invention, the funnel element (17) is located at least substantially within the end section (9), coaxially with respect to the end section, and at least some of the passage openings (18) are each assigned a flow element (20) rising up from the lateral wall (19) to produce a swirling flow in the mixing pipe (8).

IPC 8 full level

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Citation (search report)

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