

Title (en)

STRUCTURAL PRINCIPLE OF AN EXHAUST GAS PURIFICATION INSTALLATION, AND ASSOCIATED METHOD FOR PURIFYING AN EXHAUST GAS

Title (de)

BAUPRINZIP EINER ABGASREINIGUNGSANLAGE UND VERFAHREN ZUM REINIGEN EINES ABGASES DAMIT

Title (fr)

PRINCIPE STRUCTUREL D'UN SYSTEME DE PURIFICATION DE GAZ D'ECHAPPEMENT, ET PROCEDE POUR PURIFIER DES GAZ D'ECHAPPEMENT A L'AIDE DE CELUI-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: DE102004037286B3] The structure has a zone (10) for ionization of the particles/aerosols carried in the gas, a connecting zone (7), a collector zone (8) for separating the particles/aerosols electrically neutralized therein and a spraying system for flushing the collector zone. The section for exhaust cleaning has the structure of an upright U with the ionization zone in one leg through which the gas to be cleaned flows down under gravity. The connecting zone has at least one outlet for liquid enriched with particles at its lowest point. The second leg contains the collector zone with at least one collector through which the gas flows up against gravity. A spraying device is mounted above the collector zone or between each two collector zones : An independent claim is also included for a method of cleaning exhaust gas in an exhaust gas cleaning system.

IPC 8 full level

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CPC (source: EP US)

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