

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

**EP 1771254 B1 20101006 (DE)**

Application

**EP 05738473 A 20050506**

Priority

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- DE 102004037286 A 20040731

Abstract (en)

[origin: US2008302241A1] In an exhaust gas cleaning system, a built-in cleaning section is embodied as an upright U, in which a first leg includes an ionizing zone to ionize particles or aerosols carried in the gas. The gas flows from above into the first leg and downward in a direction of gravity through the ionizing zone. A second leg includes a collector to separate the particles or aerosols from the gas flow, which flows into and through the collector in a direction from below and upward, counter to the direction of gravity. A spraying device is mounted above the collector to rinse the collector. A transition from the first to the second leg includes a connecting zone including a container to collect the particles or aerosols separated of the gas, which container includes a discharge pipe disposed at a lowest point of the container to discharge the liquid enriched with the particles.

IPC 8 full level

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CPC (source: EP US)

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