

Title (en)
IONIZER AND USE THEREOF IN AN EXHAUST GAS PURIFYING INSTALLATION FOR CONDENSED HUMID AND/OR DROPLET-LOADED GASES

Title (de)
IONISATOR UND SEINE VERWENDUNG IN EINER ABGASREINIGUNGSANLAGE FÜR TROPFENBELADENE UND/ODER KONDENSIERENDE FEUCHTGASE

Title (fr)
IONISATEUR ET UTILISATION DANS UNE INSTALLATION D'EPURATION DE GAZ D'ECHAPPEMENT POUR GAZ HUMIDES CONDENSES ET/OU CHARGES DE GOUTTELETTES

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Application
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Abstract (en)
[origin: DE10244051C1] Ionizer comprises a nozzle plate (4) and a high voltage electrode grid (5). The nozzle plate has an arrangement of circular nozzles (3). Parallel electrode pins (1) directed against the flow direction protrude concentrically in the direction of the nozzles. Each electrode pin has a star shape on its free end. Ionizer comprises a nozzle plate (4) arranged over the cross-section of the flow channel and connected to an electrical reference potential, and a high voltage electrode grid (5) connected in the flow direction (8), arranged concentrically in the flow channel over the cross-section and electrically insulated in the channel wall. The nozzle plate has an arrangement of circular nozzles (3). Parallel electrode pins (1) directed against the flow direction protrude concentrically in the direction of the nozzles. Each electrode pin has a star shape on its free end. The nozzle plate, electrode grid and electrode pins are made from electrically conducting material inert for the process environment.

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