

Title (en)
PULSED CORONA DISCHARGE APPARATUS WITH RADIAL DESIGN

Title (de)
VORRICHTUNG MIT PULSIERENDER CORONA-ENTLADUNG UND RADIALEM DESIGN

Title (fr)
DISPOSITIF A EFFLUVES PULSEE A CONFIGURATION RADIALE

Publication
EP 1054728 A4 20010718 (EN)

Application
EP 98957796 A 19981112

Priority

- US 9824016 W 19981112
- US 97188297 A 19971119
- US 97472597 A 19971119

Abstract (en)
[origin: WO9925471A1] An apparatus for remediating a contaminated fluent material, such as a gas, utilizes a pulsed corona discharge. The apparatus includes a reactor section (10) and a power supply section (12). The reactor section (10) has a plurality of first electrodes (16) electrically interconnected to a header plate (14) and a plurality of second electrodes (22) concentrically disposed about each first electrode (16) and electrically interconnected to a reactor plate (20). The placement of the inner electrode (102) within the outer electrode (120) substantially increases the exposed overlapping surface area of the electrodes. The increase in surface area of the electrodes results in a proportional increase in the operational life of the apparatus.

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B01J 19/08; H05F 3/00

IPC 8 full level
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Citation (search report)

- [A] EP 0744802 A2 19961127 - HUGHES AIRCRAFT CO [US]
- [A] US 3677931 A 19720718 - O'HARE LOUIS RICHARD
- [A] US 5545380 A 19960813 - GRAY BUDDY D [US]
- See references of WO 9925471A1

Designated contracting state (EPC)
DE FR GB

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