

Title (en)
DEVICE AND METHOD FOR SEPARATING OFF CONTAMINANTS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM ABSCHIEDEN VON VERUNREINIGUNGEN

Title (fr)
DISPOSITIF ET PROCÉDÉ D'ÉLIMINATION D'IMPURETÉS

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EP 16714005 A 20160316

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Abstract (en)
[origin: WO2016147127A1] The invention relates to a device (1, 101, 151) for separating off liquid and/or particulate contaminants from a gas flow (7, 107), in which a flow path of the gas flow (7, 107) runs between at least one first electrode (9, 31, 109), which acts as counter electrode, and at least one second electrode (11, 111, 51, 53, 57, 135, 135', 135", 155), which acts as discharge electrode and which has an electrode end (71, 77, 90) directed toward the first electrode, and a direct-current voltage which exceeds the breakdown voltage can be applied between the first electrode (9, 31, 109) and the second electrode (11, 111, 51, 53, 57, 135, 135', 135", 155) in order to form a stable low-energy plasma (41, 125), wherein the second electrode (11) extends substantially along a first axis (X) in a first direction and the first electrode (31) has at least one plateau region (33) which is arranged opposite the second electrode (11) and which extends at least regionally in a first plane running substantially perpendicular to the first direction (X), and to a method for operating a device of said type.

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