

Title (en)

METHOD FOR REDUCING THE RISK OF BACK-CORONA IN AN ELECTROSTATIC PRECIPITATOR

Title (de)

VERFAHREN ZUR VERMEIDUNG DES RÜCKSPRÜHENS IN EINEM ELEKTROABSCHEIDER

Title (fr)

PROCEDE DE REDUCTION DES RISQUES DE DECHARGES EN RETOUR A EFFET DE COURONNE DANS DES FILTRES ELECTROSTATIQUES

Publication

EP 0505426 B1 19960228 (EN)

Application

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Priority

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- SE 9000817 W 19901210

Abstract (en)

[origin: WO9108837A1] In a method for reducing the risk of back-corona in an electrostatic precipitator (5) to which hot dust-containing gases are conducted via a gas supply duct (4) and through which the gases are conducted for dust separation, the gas temperature is reduced and the gas humidity increased by the addition to the gases, before these are conducted through the precipitator (5), of water which evaporates in the gases. Thus, an amount of water proportioned to bring about the desired reduction in temperature is injected into the gas supply duct (4). A given amount of the dust particles separated in the precipitator (5) is employed as carrier for the water, and is recycled by being injected into the gas supply duct (4) jointly with the water carried by dust particles.

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