

ABSTRACT

USE OF MANGANESE COMPOUNDS TO IMPROVE THE EFFICIENCY OF AND REDUCE BACK-CORONA DISCHARGE

ON ELECTROSTATIC PRECIPITATORS

Manganese is added to a combustion fuel, combustion air, or the

resulting combustion exhaust gas in order to improve the efficiency of an electrostatic precipitator in collecting the resulting fly ash. Further, manganese or other flame suppressant is added to a fuel, and/or combustion air, or combustion exhaust gas stream in order to reduce back-corona discharge that could otherwise occur in an electrostatic precipitator.

(FIG. 1)