Title (en)

A NON-CORROSIVE TREATMENT TO ENHANCE PRESSURIZED AND NON-PRESSURIZED PULVERIZED COAL COMBUSTION

Title (de)

KORROSIONSVERHINDERNDE BEHANDLUNG FÜR EINE VERBESSERTE DRUCK- UND DRUCKLOSE KOHLENSTAUBFEUERUNG

Title (fr)

TRAITEMENT NON CORROSIF DESTINE A AMELIORER LA COMBUSTION DE CHARBON PULVERISE SOUS PRESSION OU NON

Publication

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Application

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Abstract (en)

[origin: US2004159184A1] Methods and compositions for inhibiting corrosion of metal surfaces in a furnace system are disclosed. In one aspect of the invention, pulverized coal is burned as fuel in the presence of a copper ion catalyst/combustion aid. Corrosion is inhibited in these systems by the use of a blend of primary aminoalcohol such as 2-aminoethanol, tertiary aminoalcohol such as triethanol amine, and boric acid or water soluble salt form of the acid.

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