Title (en)

COAL ANTI-OXIDATION AGENT AND COAL OXIDATION PREVENTION METHOD

Title (de)

ANTIOXIDATIONSSMITTEL FÜR KOHLE UND VERFAHREN ZUR VERHINDERUNG DER KOHLEOXIDATION

Title (fr)

AGENT ANTI-OXYDATION DE CHARBON ET PROCÉDÉ DE PRÉVENTION D'OXYDATION DE CHARBON

Publication

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Application

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Priority

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Abstract (en)

Provided is an antioxidant capable of coating the surface layer of a coal deposit (coal pile) and further reducing the amount of oxygen permeation into the inside of the deposit. The present invention is an antioxidant for coal, containing an oil-in-water type resin emulsion having an average particle size of emulsion particles of 0.3 μm or more and 1.0 μm or less. The antioxidant preferably further contains a surfactant. The worker sprays the above antioxidant on the coal deposit. This forms a consolidated layer on the surface of the coal deposit that is highly effective in suppressing oxygen permeation. Therefore, the permeation of oxygen in the air atmosphere into the inside of the coal deposit is blocked, thus preventing the oxidation of the coal.

IPC 8 full level

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