

Title (en)

Process for the chemical-biological desulphurization of coal.

Title (de)

Verfahren zur chemisch-biologischen Entschwefelung von Kohle.

Title (fr)

Procédé pour la désulfuration chimique-biologique de charbon.

Publication

EP 0341222 A2 19891108 (EN)

Application

EP 89830189 A 19890505

Priority

IT 4792088 A 19880505

Abstract (en)

A process for the chemical-biological desulphurization of coal, said process being carried out in two separate sections: a section for the chemical treatment of finely divided coal with a leaching water solution containing ferric sulfate, ferrous sulfate and sulfuric acid, and a section for the biological regeneration of the exhausted leaching solution, with oxidation of ferrous sulfate to ferric sulfate through the cation of a microorganism of the genus Thiobacillus, which preferably belongs to a selected mutant strain of T. ferrooxidans.

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