

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.

IPC 1-7

**C10L 9/00; C22B 3/00**

IPC 8 full level

**C10L 9/00** (2006.01)

CPC (source: EP)

**C10L 9/00** (2013.01)

Cited by

CN109321319A; CN109604046A

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0341222 A2 19891108; EP 0341222 A3 19900103; EP 0341222 B1 19920930**; DE 341222 T1 19900322; DE 68903028 D1 19921105; DE 68903028 T2 19930429; IT 1219570 B 19900518; IT 8847920 A0 19880505

DOCDB simple family (application)

**EP 89830189 A 19890505**; DE 68903028 T 19890505; DE 89830189 T 19890505; IT 4792088 A 19880505