

Title (en)

TRANSPORTABILITY IMPROVER FOR PULVERIZED COAL

Title (de)

FOERDERFAEHIGKEITSVERBESSERER FUER KOEHLLENSTAUB

Title (fr)

AMELIORATEUR DE L'APTITUDE AU TRANSPORT DU CHARBON PULVERISE

Publication

EP 0783589 A1 19970716 (EN)

Application

EP 95932929 A 19950928

Priority

- JP 9501976 W 19950928
- JP 23533294 A 19940929

Abstract (en)

[origin: WO9610093A1] The transportability of dry pulverized coal originating from raw coal having an average HGI of 30 or above can be improved by adhering an organic compound which has a polar group and is substantially water-soluble to the pulverized coal, examples of such an organic compound including anionic surfactants, cationic surfactants, amphoteric surfactants, organic acids and salts thereof, and phenol compounds and salts thereof. The transportability of the pulverized coal is improved to enable the use of the coal as the fuel to be injected into a metallurgical furnace or combustion furnace. Further, the use of the compound prevents the occurrence of hanging and channeling in a hopper and the choking of a pipeline.

IPC 1-7

C21B 5/00; **C10L 9/10**; **B65G 53/52**

IPC 8 full level

C10L 9/10 (2006.01); **C21B 5/00** (2006.01)

CPC (source: EP KR)

B65G 53/52 (2013.01 - KR); **C10L 9/10** (2013.01 - EP); **C21B 5/00** (2013.01 - KR); **C21B 5/003** (2013.01 - EP)

Citation (search report)

See references of WO 9610093A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9610093 A1 19960404; CN 1159834 A 19970917; EP 0783589 A1 19970716; KR 970706406 A 19971103

DOCDB simple family (application)

JP 9501976 W 19950928; CN 95195383 A 19950928; EP 95932929 A 19950928; KR 19970701704 A 19970315