

Title (en)
METHOD FOR IMPROVING CONVEYABILITY OF PULVERIZED COAL

Title (de)
VERFAHREN ZUR VERBESSERUNG DES TRANSPORTES VON PULVERISIERTER KOHLE

Title (fr)
PROCEDE AMELIORANT LA TRANSPORTABILITE DU CHARBON PULVERISE

Publication
EP 0837143 A1 19980422 (EN)

Application
EP 96922245 A 19960705

Priority
• JP 9601875 W 19960705
• JP 16982195 A 19950705

Abstract (en)
A solid compound having a volume average particle diameter of not more than 5 μm , for example, silicon dioxide, aluminum oxide, calcium carbonate, or silicon carbide, is adhered on a dried fine coal obtained from a raw coal having an average HGI of not less than 30 in such a manner that the value of α falls within the following range to improve the transportability of the fine coal: $k_1 \cdot r^{<0.59>} \leq \alpha \leq 10$ (vol %) wherein $k_1 = 10^{<-1.42>}$ and r represents the volume average particle diameter (μm) of the solid compound added. As a result, the fine coal is improved in fluidity and thus can be used as an injection fuel for blast furnaces and a fine coal firing boilers. Further, it is possible to prevent hanging and changing within hoppers and clogging of piping.

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C21B 5/00; F23K 3/00

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