

Title (en)
Coal enhancement process.

Title (de)
Aufbereitungsverfahren für Kohle.

Title (fr)
Procédé de préparation du charbon.

Publication
EP 0234068 A1 19870902 (EN)

Application
EP 86301033 A 19860214

Priority
EP 86301033 A 19860214

Abstract (en)
The application relates to enhancing coal by removing the gangue by slurring crushed run of the mine (ROM) coal with a heavy medium and thereafter allowing the solids to settle or float according to their inherent densities. The float solids are separated from the heavy medium as one stream and the sink solids as a second stream. These solids are substantially freed of the heavy medium by washing with hot (eg. 90 DEG C to 100 DEG C) water and the vapor azeotrope which forms from the water and heavy medium mixture is removed. The heavy medium content of the solids can be reduced to less than about 400 parts by weight of heavy medium per million parts by weight of solids.

IPC 1-7
B03B 5/30; **B03B 5/34**

IPC 8 full level
B03B 5/44 (2006.01); **B03B 9/00** (2006.01)

CPC (source: EP)
B03B 5/447 (2013.01); **B03B 9/005** (2013.01)

Citation (search report)

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