

Title (en)

PROCESS TO REMOVE SOLID SLAG PARTICLES FROM A MIXTURE OF SOLID SLAG PARTICLES AND WATER

Title (de)

VERFAHREN ZUR ENTFERNUNG VON FESTSCHLACKEN AUS EINEM WÄSSRIGEN GEMISCH

Title (fr)

PROCEDE POUR SEPARER DES CENDRES SOLIDES D'UN MELANGE DE PARTICULES DE CENDRES ET D'EAU

Publication

EP 1224246 B1 20061115 (EN)

Application

EP 00969277 A 20000920

Priority

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- EP 0009254 W 20000920
- EP 99307444 A 19990921

Abstract (en)

[origin: WO0121736A1] Process to remove solid slag particles from a mixture of solid slag particles and water present in a quench zone, which quench zone is part of a process for the preparation of synthesis gas by partial combustion of finely dispersed solid carbon-containing fuel with an oxygen-containing gas, by a) discharging of the mixture from the quench zone to a first vessel, (b) discharging slag particles from the first vessel to a second vessel and discharging water poor in solid slag from the second vessel, which second vessel is located below and fluidly connected to said first vessel by means of an open connecting conduit provided with pumping means and is further provided with closed means to discharge slag from its lower end, (c) fluidly closing the first vessel from the second vessel, (d) opening of the means to discharge slag from the second vessel to remove slag from the second vessel to a lower pressure zone, and (e) closing the means to discharge slag from the second vessel and repeating steps (a) to (e).

IPC 8 full level

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