

Abstract

Process for the continuous treatment of soot water that arises from the partial oxidation of heavy-metal-containing liquid hydrocarbons. In a pre-dewatering step, the soot water is centrifuged to a solids content of up to 10% at a pressure of up to 5 bar and a temperature of up to 150 °C with no agents being added, a pasty soot sludge rich in heavy metals being obtained and a centrate that is low in heavy metals accumulating, the centrate being recycled, at least in part, to the gasification process as process water.

Diagram to be published with the abstract: Fig. 1.