

Title (en)
HOT GAS PURIFICATION

Title (de)
HEISSGASREINIGUNG

Title (fr)
EPURATION DE GAZ CHAUD

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Application
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Abstract (en)
[origin: CA2737365A1] The invention relates to a method and to a system for treating a hot raw gas generated by an entrained-flow gasification plant, wherein the sulfurous and carbonaceous compounds are separated such that hot gas is provided for further use. This is achieved in that a desulfurization installation (7) is connected downstream in series with the gasifier (2) in the flow path of the hot gas, and a solid precipitator (8, 9) is connected downstream thereof, wherein a partial flow (13) of the gas through a water quench (14), a Venturi washer (15), a raw gas cooler (16), and an H₂O separator (17) and a compressor (18) is connected downstream of the solid precipitator (8, 9), the flow path (19) thereof being cooled and circulated back behind the gasifier (2) and upstream of the desulfurization system.

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