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ABSTRACT

Title: A process for removing elemental sulfur from a gas stream.

The invention relates to a process for removing elemental sulfur which is present in a gas in the form of vapor and/or entrained particles, in which process the gas to be treated is cooled. The gas to be treated is introduced into a heat exchanger at the lower end thereof and with the aid of the temperature and/or the flow velocity of the cooling medium it is ensured that the wall of the heat exchanger has a temperature below the solidification point of sulfur and above the dew point of water, if any, present in the gas. The deposited sulfur is removed under the influence of gravity countercurrent to the gas to be treated.

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