Title (en)
APPARATUS AND METHOD FOR COOLING AND/OR CLEANING A PROCESS GAS LEAVING A CONVERTER

Title (de)
VORRICHTUNG UND VERFAHREN ZUM KÜHLEN UND/ODER REINIGEN EINES AUS EINEM KONVERTER AUSTRETENDEN PROZESSGASES

Title (fr)
DISPOSITIF ET PROCÉDÉ DE REFROIDISSEMENT ET/OU DE NETTOYAGE D'UN GAZ DE TRAITEMENT S'ÉCHAPPANT D'UN CONVERTISSEUR

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Abstract (en)
[origin: WO2020182404A1] The invention relates to an apparatus (5) for cooling and/or cleaning a process gas leaving a converter (2), having at least one evaporation cooling unit (8) and at least one waste heat boiler (10) downstream thereof in the direction of the process gas flow through the apparatus (5) of the evaporation cooling unit (8). In order to improve the cooling and/or cleaning of the process gas, the evaporation cooling unit (8) is designed to reduce a temperature of the process gas supplied to the evaporation cooling unit (8) to a temperature in a range from 400°C to 850°C, and the waste heat boiler (10) is designed to reduce a temperature of the process gas supplied to the waste heat boiler (10) to a temperature in a range from 170°C to 280°C.

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