

Title (en)
DEVICE FOR PURIFYING POLLUTED WASTE GASES GENERATED DURING INDUSTRIAL PROCESSES, IN PARTICULAR, A REGENERATIVE THERMAL POST-COMBUSTION DEVICE

Title (de)
VORRICHTUNG ZUR REINIGUNG VERUNREINIGTER ABGASE AUS INDUSTRIELLEN PROZESSEN, INSBESONDERE REGENERATIVE THERMISCHE NACHVERBRENNUNGSVORRICHTUNG

Title (fr)
DISPOSITIF POUR EPURER DES EMISSIONS GAZEUSES POLLUEES RESULTANT DE PROCESSUS INDUSTRIELS, EN PARTICULIER DISPOSITIF DE POST-COMBUSTION THERMIQUE REGENERATEUR

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Application
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Abstract (en)
[origin: WO0053973A1] The invention relates to a device for purifying polluted waste gases generated during industrial processes which comprises an inlet (5) for the gas to be purified that is situated in the lower area of a housing (1) and comprises an outlet (23) for the purified gas. The upper area of the housing (1) is subdivided into a multitude of segments in which heat exchanger material (17) is located. This heat exchanger material is formed from at least one stack of adjacent and/or stacked ceramic bodies (17) which is arranged in a receptacle (15) having orifices that open downward. Said receptacle is detachably mounted inside the housing (1). A combustion chamber (19) is located above the stack(s) of ceramic bodies (17). The gas to be purified is fed to the stack(s) of ceramic bodies (17) from a rotary distributor (6) which is arranged in the lower area and which, during the rotation thereof, receives gas to be purified from the lower area, conducts into certain segments of the area located thereabove, receives purified gas from certain segments of the area located thereabove, and conducts the same to the outlet.

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