Title (en)
APPARATUS AND METHOD FOR REMOVING CARBON DIOXIDE (CO2) FROM THE FLUE GAS OF A FURNACE AFTER THE ENERGY CONVERSION

Title (de)
VORRICHTUNG UND VERFAHREN ZUR ENTFERNUNG VON KOHLENDIOXID (CO2) AUS DEM RAUCHGAS EINER FEUERUNGSANLAGE NACH DER ENERGIEUMWANDLUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ PERMETTANT D'ÉLIMINER LE DIOXYDE DE CARBONE (CO2) DU GAZ DE COMBUSTION D'UNE INSTALLATION DE CHAUFFAGE APRÈS LA CONVERSION D'ÉNERGIE& xA;

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Application
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Abstract (en)
[origin: WO2010111996A1] The invention relates to a method for separating carbon dioxide from the flue gas from an energy conversion, wherein the flue gas initially is supplied to a membrane unit, which comprises at least one membrane module having a CO_2-selective membrane, in which part of the CO_2 is separated from the flue gas as an enriched CO_2 permeate. The flue gas depleted in this way (retentate) is then supplied to at least one further CO_2 separating unit, in which part of the CO_2 is separated from the flue gas by an adsorption means or an absorption means. The invention further relates to an apparatus for separating CO_2 from a flue gas, which is suited for carrying out said method and has a membrane unit, comprising at least one membrane module having a CO_2-selective membrane and a further CO_2-separating unit, comprising an adsorption means or an absorption means.

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