

Title (en)
AMINE-CONTAINING SCRUBBING SOLUTION WITH OZONE AND/OR HYDROGEN PEROXIDE FOR ABSORBING CARBON DIOXIDE

Title (de)
AMINHALTIGE WASCHLÖSUNG MIT OZON UND/ODER WASSERSTOFFPEROXID ZUR ABSORPTION VON KOHLENDIOXID

Title (fr)
SOLUTION DE LAVAGE CONTENANT DES AMINES À BASE D'OZONE ET/OU DE PEROXYDE D'HYDROGÈNE POUR L'ABSORPTION DE DIOXYDE DE CARBONE

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Application
EP 13735242 A 20130703

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Abstract (en)
[origin: WO2014006067A1] The invention relates to a method for depositing carbon dioxide from a flue gas (RG) of a combustion system. A scrubbing solution (A) with an amine-containing absorption agent (for example 20) is mixed together with ozone and/or hydrogen peroxide as an oxidizing agent for nitrite. The flue gas (RG) is brought into contact with the scrubbing solution (A) prepared in this manner, whereby carbon dioxide contained in the flue gas is absorbed, and the scrubbing solution (A) is then thermally treated, whereby the carbon dioxide is desorbed. The invention further relates to a corresponding scrubbing solution (A) with an amine-containing absorption agent (for example 20) and with ozone and/or hydrogen peroxide as an oxidizing agent for nitrite.

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Citation (search report)
See references of WO 2014006067A1

Citation (examination)
WO 2011130796 A1 20111027 - CO2CRC TECHNOLOGIES PTY LTD [AU], et al

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