

METHOD AND SYSTEM FOR CARBON DIOXIDE EXTRACTION

Abstract

5 Disclosed herein is a carbon dioxide (CO₂) extraction system comprising a chamber defining a water inlet, a water outlet and a gas inlet where exhaust gas containing CO₂ is introduced, an atomizer coupled to the water inlet and disposed adjacent the gas inlet for atomizing water and directing the atomized water substantially towards the exhaust gas introduced into the chamber at the gas inlet a wheel is disposed to position at least one of the plurality of paddles
10 between the gas inlet and the water outlet, the atomized water absorbing a portion of the CO₂ in the exhaust gas when discharged from the atomizer and being caught by at least one of the plurality of paddles disposed between the gas inlet and the water outlet to thereby reduce the CO₂ content in the exhaust gas introduced into the chamber.

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Figure 1