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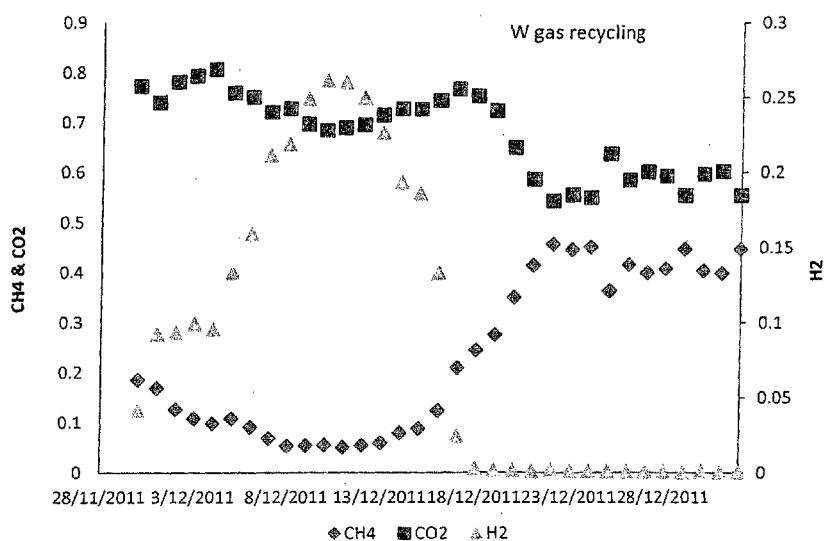
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(54) Title: METHOD AND APPARATUS FOR CARBON DIOXIDE CAPTURE AND ENERGY RECOVERY ENHANCEMENT



(57) Abstract: There is disclosed an acidogenic reactor system for use in a wastewater treatment plant, said system comprising an inhibitor, wherein the inhibitor is one or more volatile fatty acids and/or H₂ capable of regulating a microbial population, said reactor being involved in a method that provides greater capture of carbon as methane and/or volatile fatty acids.