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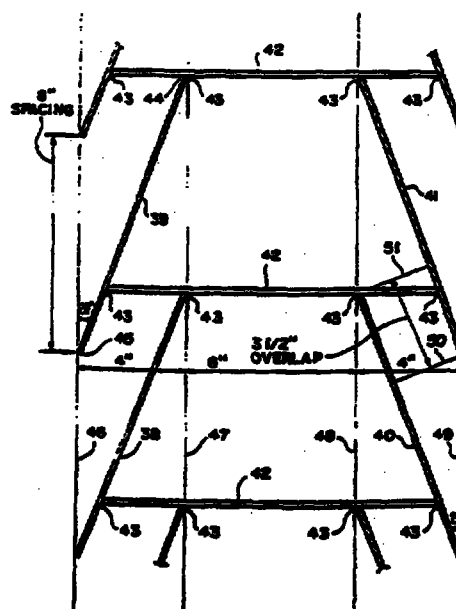
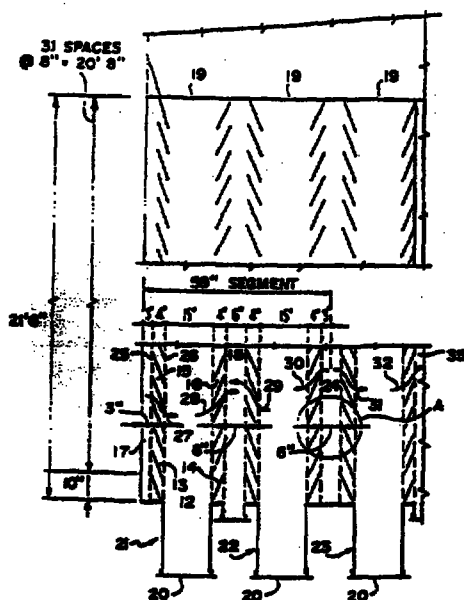
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(54) Title: IMPROVED ACID GAS EMISSION CONTROL



(57) Abstract

An apparatus and process is provided for scrubbing sulphur oxide gas from combustion flue gas with wet limestone particles. The process is carried out in a moving bed reactor (21) having louvered inlet (13) and outlet (14) sides which permit the flue gas to pass through the reactor while the limestone particles move downward. The high velocity of the flue gas passing through the reactor causes some of the scrubbing particles to be ejected through the outlet side of the reactor. Problems associated with the ejection of the scrubbing particles are avoided by providing a slot alongside the outlet side of the reactor. The slot is sized so that the flue gas passing therethrough will have insufficient velocity to entrain the ejected particles therein. Consequently, the particles will fall to the bottom of the slot where they can be recovered and recycled.