

ABSTRACT OF THE DISCLOSURE

BURNER AND PROCESS FOR COMBUSTION OF A GAS CAPABLE OF REACTING TO FORM SOLID PRODUCTS

This invention is directed to a combustion apparatus incorporating a combustion chamber, a precombustion chamber and a multi-wall burner and a process for effecting combustion of gases, particularly feed gases containing gases that, on combustion, form solid oxidation products, i.e., solid-forming gases. A pathway is formed between the exterior of the precombustion chamber and the interior of said combustion chamber, whereby said pathway permits introduction of a secondary oxidant into the interior portion of the combustion chamber for facilitating combustion of said solid forming gas.

10 Figure 5

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