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(54) Title: FLUID INJECTION NOZZLE FOR FLUID BED REACTORS

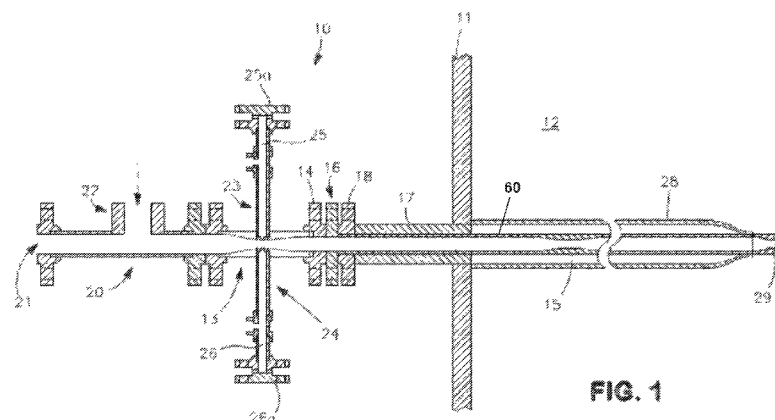


FIG. 1

(57) Abstract: A feed injector for a circulating fluid bed reactor is fitted with a discharge nozzle with a circular, radially notched discharge orifice to improve the surface-to-volume ratio of the spray pattern formed by the nozzle. The feed injector is useful for injecting fluids into various types of circulating fluid bed reactors in which good contact between the components of the fluidized bed and the injected fluid is required. It is particularly useful in fluid coking reactors.