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(54) Title: RADIAL FLOW GAS PHASE REACTOR AND METHOD FOR REDUCING THE NITROGEN OXIDE CONTENT OF A GAS

(57) Abstract: A radial flow gas phase reactor for the selective catalytic reduction of nitrogen oxide in a gas stream includes a shell enclosing an interior space in which is located at least one catalyst bed containing a catalyst for the selective conversion of NO_x. A deflector directs the flow of gas radially through the bed. An injector upstream of the catalyst introduces a reducing agent such as ammonia into the inlet gas stream. The catalyst bed can include particulate, monolith, or microengineered catalyst.