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(54) Title: CATALYST CONTAINMENT UNIT

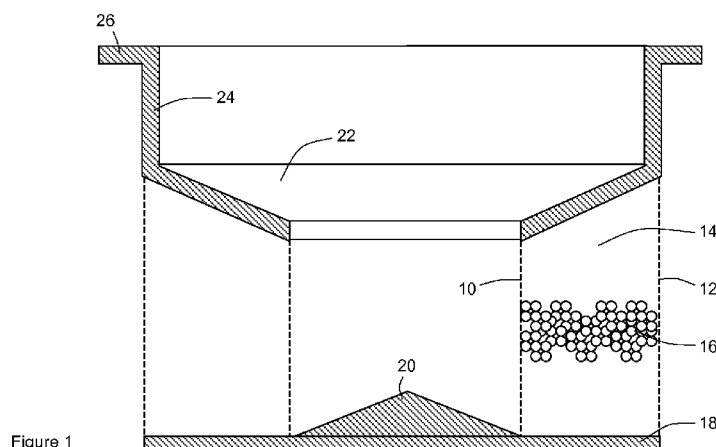


Figure 1

(57) Abstract: A catalyst containment unit, suitable for use in an ammonia oxidation vessel is described, comprising two concentric perforate members defining an annular space in which a particulate catalyst may be placed, and process fluid-impermeable end members mounted on the ends of the perforate members, wherein one end member extends across the unit to provide a closed end and the other end member closes the annular space thereby providing an open end through which gases may enter or exit the unit, and suspending means attached to one or both end members by which the unit may be secured within a reactor. The unit is desirably suspended below a precious metal ammonia oxidation gauze pack and preferably contains a particulate ammonia oxidation catalyst or nitrous oxide abatement catalyst.