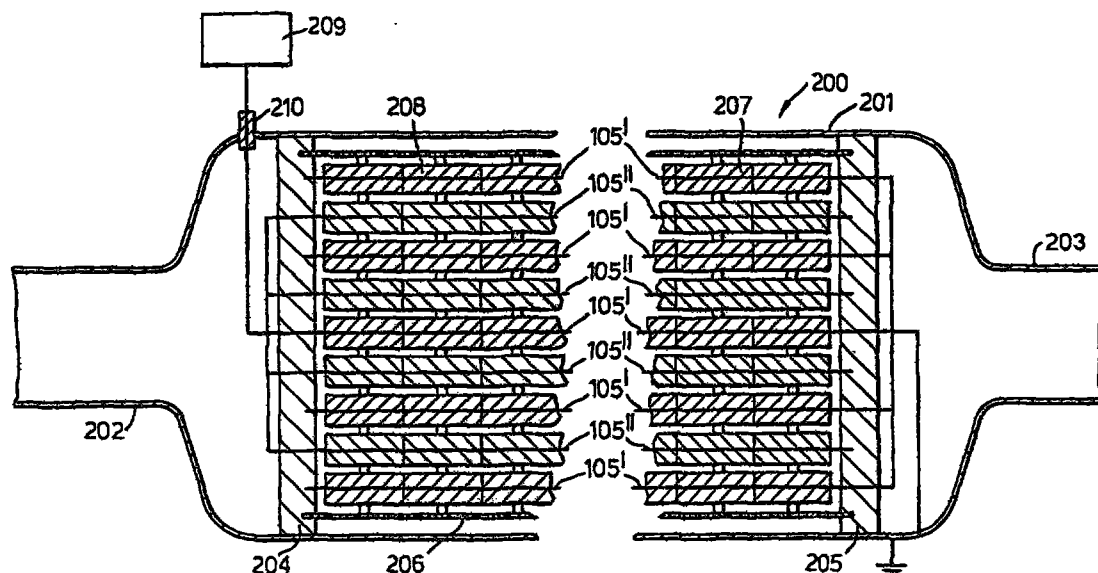


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(54) Title: REACTOR FOR PLASMA ASSISTED GAS PROCESSING



(57) Abstract

A reactor for the plasma-assisted processing of gaseous media comprising a reactor chamber (200) including a gas permeable bed (100) of an active material, means (209) for applying across the bed of active material, a potential sufficient to establish a plasma in a gaseous medium flowing through the bed of active material and means (201, 202, 203) for constraining the gaseous medium to flow through the bed of active material, wherein the bed of active material comprises a matrix (207) of beads (103, 208) of a dielectric material consisting of an assembly of regular arrays of beads in each of which adjacent beads are connected to a high voltage input terminal or an earth point. (105', 105'').