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(54) Title: REACTOR INCLUDING A MESH STRUCTURE FOR SUPPORTING CATALYTIC PARTICLES

(57) Abstract

A catalytic reactor and process wherein the reactor contains a fixed catalyst bed comprised of at least one layer of a mesh having catalyst particles and/or catalyst fibers retained in the interstices of the mesh, wherein the catalyst particles have an average particle size of no greater than 200 microns and the fibers have a diameter of no greater than 500 microns and wherein the wire mesh layer has a void volume of at least 45 %.