

ABSTRACT

Catalyst Composition and Process for Making Same

A process for preparing a supported metal catalyst composition which comprises impregnating microspheroidal support particles with a solution of at least one catalytically active metal, or precursor, drying the impregnated support particles and then treating the mobile metal, or precursor in a mobile state with a liquid comprising at least one reducing agent to deposit and immobilize the metal, or its precursor, in the support particles such that the metal, or its precursor, is distributed in the support particle in a layer below the surface of the support particle, the layer being between an inner and an outer region having a lower concentration of metal or precursor. Also, a composition comprising microspheroidal support particles having at least one catalytically active metal or precursor thereof distributed in a layer below the surface of the particles, the layer being between an inner and an outer region of the support particle each having a lower concentration of metal or precursor.

Fig. 1