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(54) Title: SELECTIVE HYDROGENATION CATALYST CONTAINING BIMODAL SUPPORT AND METHODS OF MAKING AND USING SAME

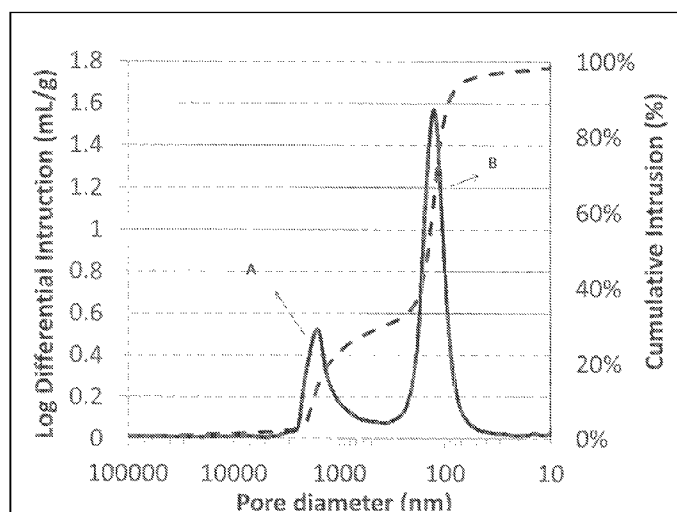


FIG. 9

(57) Abstract: A composition comprising a support formed from a high surface area alumina and having a low angularity particle shape; and at least one catalytically active metal, wherein the support has pores, a total pore volume, and a pore size distribution; wherein the pore size distribution displays at least two peaks of pore diameters, each peak having a maximum; wherein a first peak has a first maximum of pore diameters of equal to or greater than about 200 nm and a second peak has a second maximum of pore diameters of less than about 200 nm; and wherein greater than or equal to about 5% of a total pore volume of the support is contained within the first peak of pore diameters.



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