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(54) Title: POROUS MATERIAL FOR REMOVING IMPURITIES IN FEEDSTOCKS

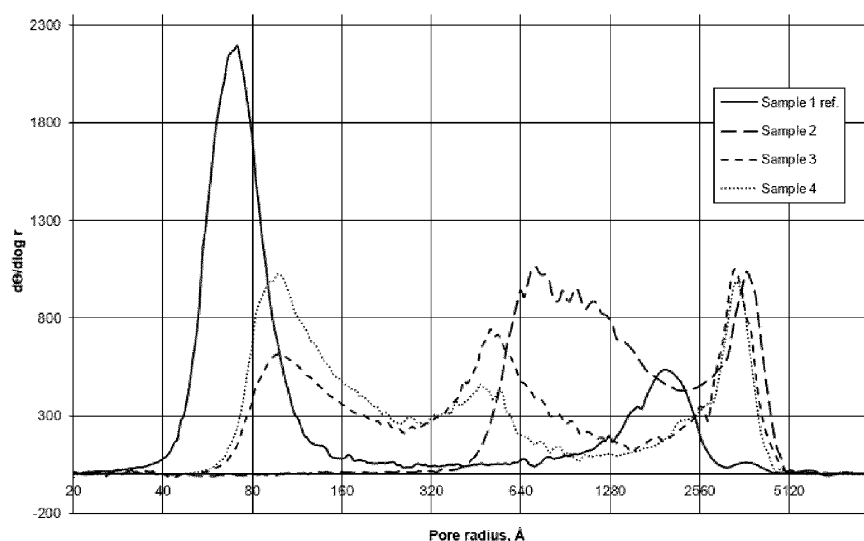


FIG. 1

(57) **Abstract:** The invention relates to a porous material comprising alumina, said alumina comprising alpha-alumina, said porous material comprising one or more metals selected from Co, Mo, Ni, W and combinations thereof, and said porous material having a BET-surface area of 1-110 m²/g, a total pore volume of 0.50-0.80 ml/g, as measured by mercury intrusion porosimetry, and a pore size distribution (PSD) with at least 30 vol% of the total pore volume being in pores with a radius ≥ 400 Å, suitably pores with a radius ≥ 500 Å, such as pores with a radius up to 5000 Å. The invention relates also to a process for removing impurities such as phosphorous (P) from a feedstock such as a renewable feed, by contacting said feedstock with a guard bed comprising the above porous material. The invention further relates to a guard bed for a hydrotreatment system comprising the porous material, a

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hydrotreatment system comprising a guard bed which comprises the porous material and a downstream hydrotreatment section comprising at least one hydrotreatment catalyst, as well as to the use of the porous material as a phosphorus guard in a hydrotreatment process.