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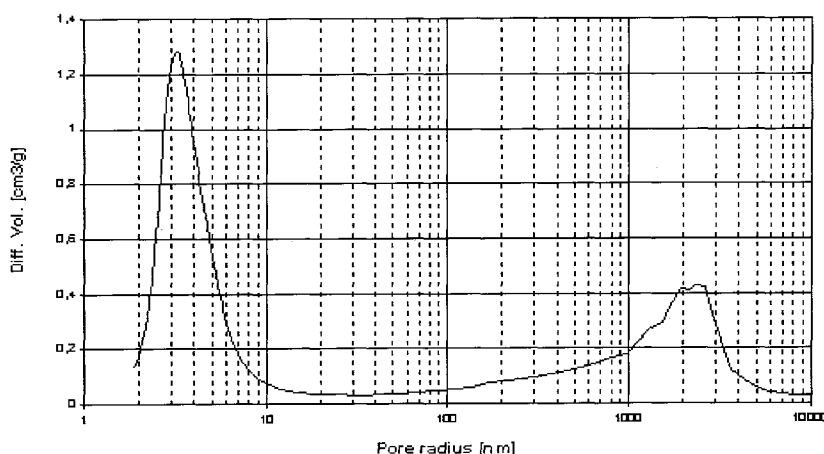
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(54) Title: CATALYST AND HYDROTREATING PROCESS

Pore size distribution



(57) Abstract: A process for the preparation of a catalyst, which process comprises the steps of : i) mixing an alumina precursor with combustible carbon-containing fibres with a diameter in the range of from 0.5 to 5 microm. and a length of no greater than 100 microm. in an amount in the range of from 20 to 40 wt % based on the total dry mixture; ii) adding nitric acid and water to form an extrudable mass; iii) extruding the mixture to form shaped particles; iv) drying the shaped particles; v) heating the particles in an atmosphere comprising no more than 5 vol % oxygen at a temperature in the range of from 350 to 600 °C; and vi) then heating the particles in a gas mixture comprising at least 12 vol % oxygen at a temperature in the range of from 450 to 600 °C. A catalyst obtainable by said process, and process for the demetallisation of hydrocarbon fraction with said catalyst.

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