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(54) Title: REFORMING PROCESS USING HIGH DENSITY CATALYST

(57) Abstract: A catalyst and a process for using the catalyst are disclosed generally for the conversion of hydrocarbons. The catalyst has an increased average bulk density and a decreased mass ratio of platinum-group metal. The process using the catalyst obtains unexpected high activity and stability for the reforming of naphtha range hydrocarbons. Mössbauer spectroscopy is used to characterize the extent of tin association with platinum and determine an effective molar tin ratio appropriate for alumina supports with densities above 0.6 g/cc.



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