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(54) Title: HIGH ACTIVITY HYDROTREATING CATALYSTS AND PROCESSES USING SAME

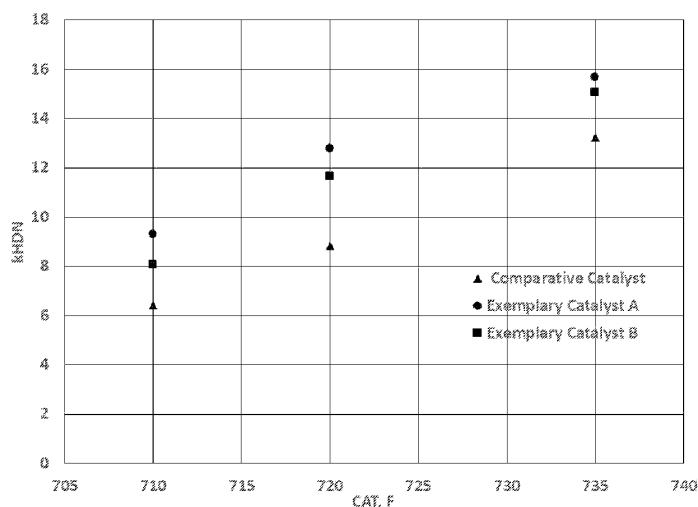


FIG. 4A

(57) Abstract: A supported catalyst for hydroprocessing, hydrotreating or hydrocracking hydrocarbon feedstocks, the supported catalyst comprising at least one metal from Group 6 and at least one metal from Groups 8, 9, or 10 of the Periodic Table of the Elements, and optionally comprising phosphorous. The Group 6 metal comprises about 30 to about 45 wt.% and the total of Group 6 and Group 8, 9, or 10 or mixtures thereof metal components comprise about 35 to about 55 wt.%, calculated as oxides and based on the total weight of the catalyst composition. The metals, and phosphorous when present, are carried on and/or within a porous inorganic oxide carrier or support, the support prior to incorporation of the metals and phosphorous, having a total pore volume (TPV) of about 0.8 cc/g to about 1.5 cc/g and comprising a defined pore size distribution and wherein the supported catalyst comprises a defined pore size distribution.

[Continued on next page]

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