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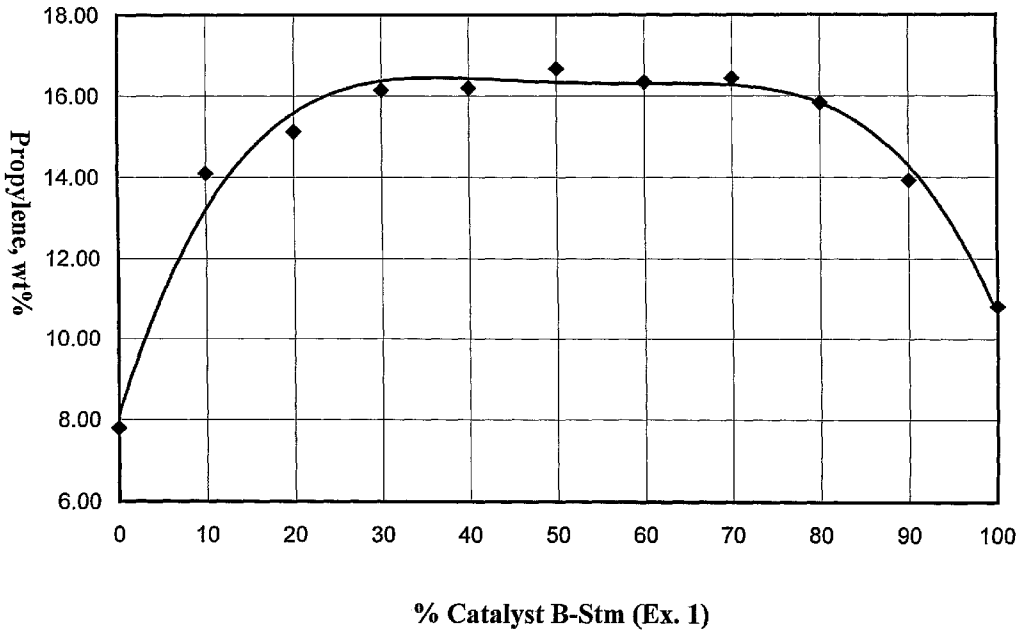
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[Continued on next page]

(54) Title: CATALYST FOR LIGHT OLEFINS AND LPG IN FLUIDIZED CATALYTIC UNITS



(57) Abstract: A catalyst composition comprising at least about 10% by weight pentasil, at least about 12% by weight Y-type zeolite at a pentasil to Y zeolite ratio of at least 0.25, and wherein the pentasil and Y zeolite comprise at least about thirty-five percent of the catalyst have been shown to optimize light olefin yields and LPG from FCC processes. Embodiments having matrix surface areas greater than $25m^2/g$, phosphorous and rare earth are preferred. The compositions of this invention are particularly useful in typical fluid catalytic cracking (FCC) processes.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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