

Metallic structured F-T catalyst for compact GTL technology

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Compact GTL technology enables the economic production of oil by solving the associated gas problem in remote or deepwater locations. Furthermore, it can convert the gas to synthetic crude for shipment. Therefore, in this study, metallic structured catalyst and heat-exchanger typed reactor in Fischer-Tropsch synthesis reaction were developed for the compact GTL technology. Especially, the effect of heat and mass transfer limitations in the Fischer-Tropsch synthesis was also investigated.