

Tetradecane 50wt%Ni/MgO-Al₂O₃ Ce 가

1,2, 1, 1, 2, 1,*
 1 ; 2
 (wlyoon@kier.re.kr*)

(pre-reforming) (reforming) C₂ H₂, CH₄, CO_x C₁
 (thermal cracking)

가

direct cracking, Boudouard Ni 가

가

Ce 50wt%Ni/MgO-Al₂O₃ 가 Tetradecane
 . 50wt%Ni/MgO-Al₂O₃

, Ce 0, 1, 3, 5wt% . XRD, TPR, BET, H₂-
 chemisorption SEM, TG

S/C=4, GHSV=3,000h⁻¹ C₁₄H₃₀ T_{cat}=400, 450°C,