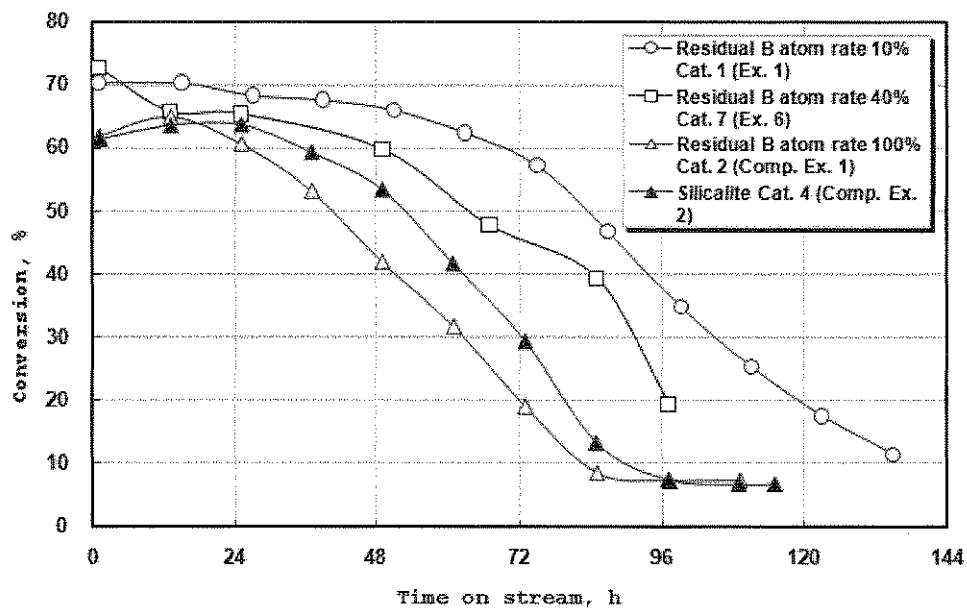


Drawings

FIG. 1

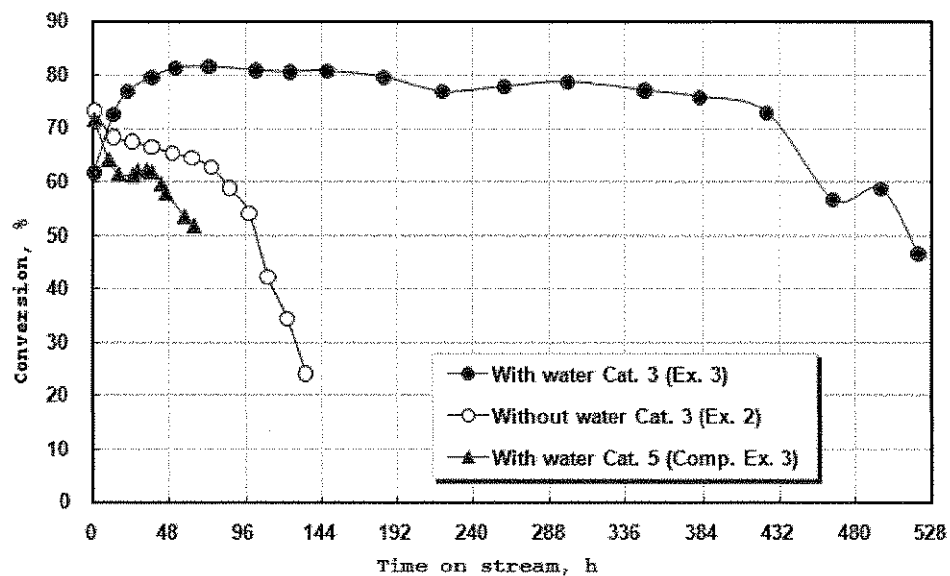


Effects by deboronating borosilicate (without water)

- Cat. 1: 0.32 wt% Pt/1.78 wt% Zn/deboronated borosilicate (boron 260 ppm)
 Cat. 7: 0.32 wt% Pt/1.78 wt% Zn/deboronated borosilicate (boron 1300 ppm)
 Cat. 2: 0.32 wt% Pt/1.78 wt% Zn/borosilicate (boron 3200 ppm)
 Cat. 4: 0.32 wt% Pt/1.78 wt% Zn/silicalite (containing no boron)

Catalyst 0.25 g, n-butane feed rate 2 g/h,
 reaction temperature 600 deg. C, pressure 0.15 MPa

FIG. 2



Effects by addition of water to reaction system

Cat. 3: 0.32 wt Pt/0.64 wt% Zn/deboronated borosilicate (boron 260 ppm)

Cat. 5: 0.32 wt Pt/0.64 wt% Zn/borosilicate (boron 3200 ppm)

Catalyst 0.25 g, n-butane feed rate 2 g/h, water feed rate 1.2 g/h
reaction temperature 600 deg. C,
pressure 0.15 MPa (without water), 0.10 MPa (with water)