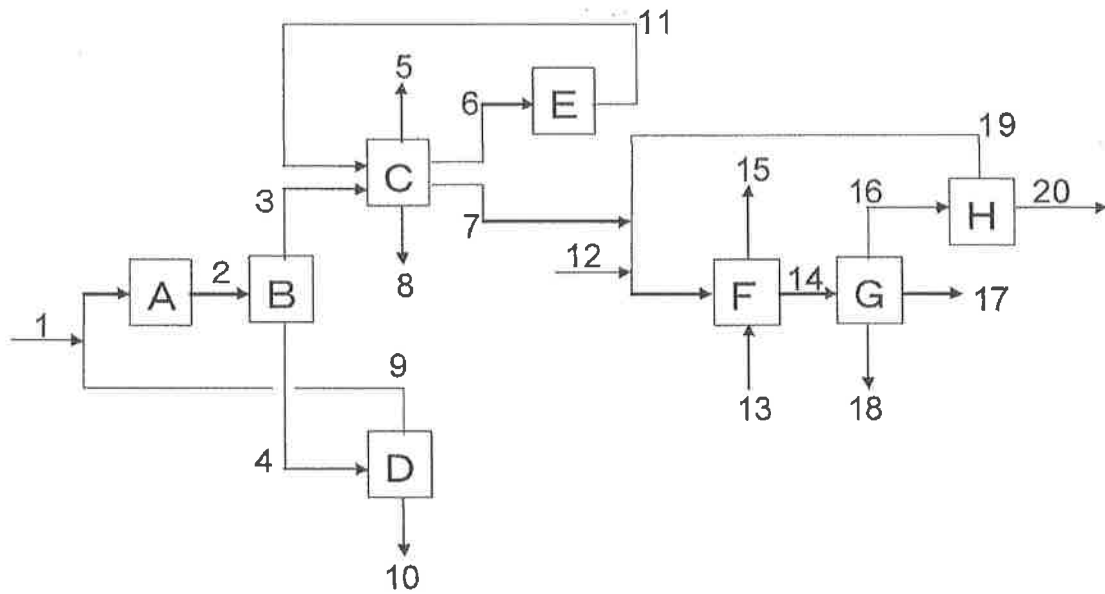
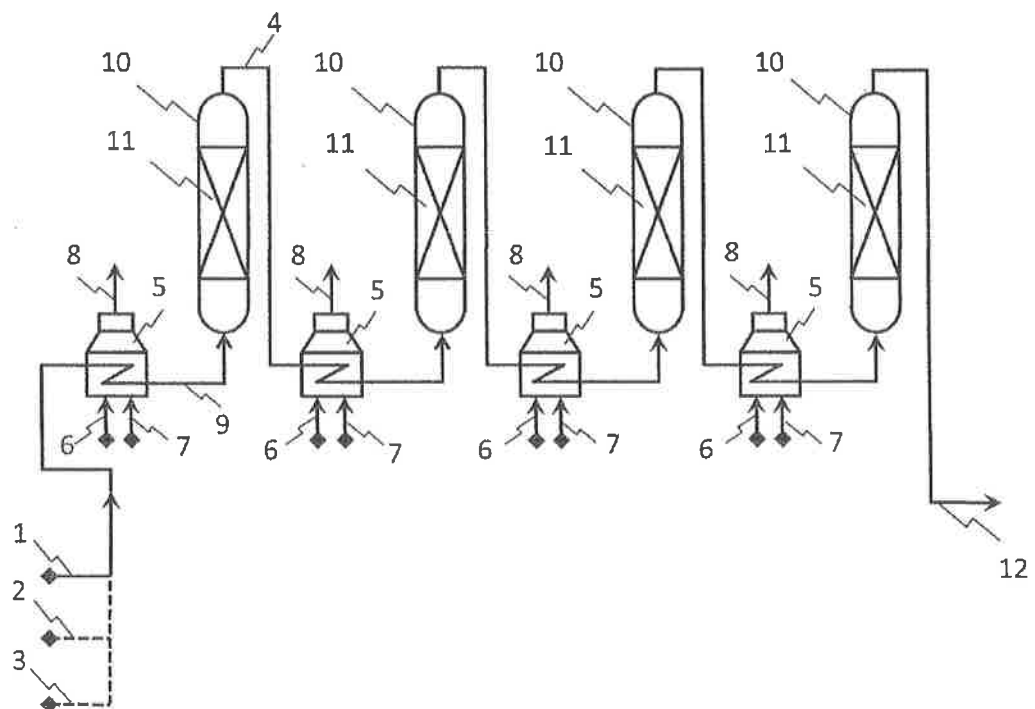


[Fig. 1]

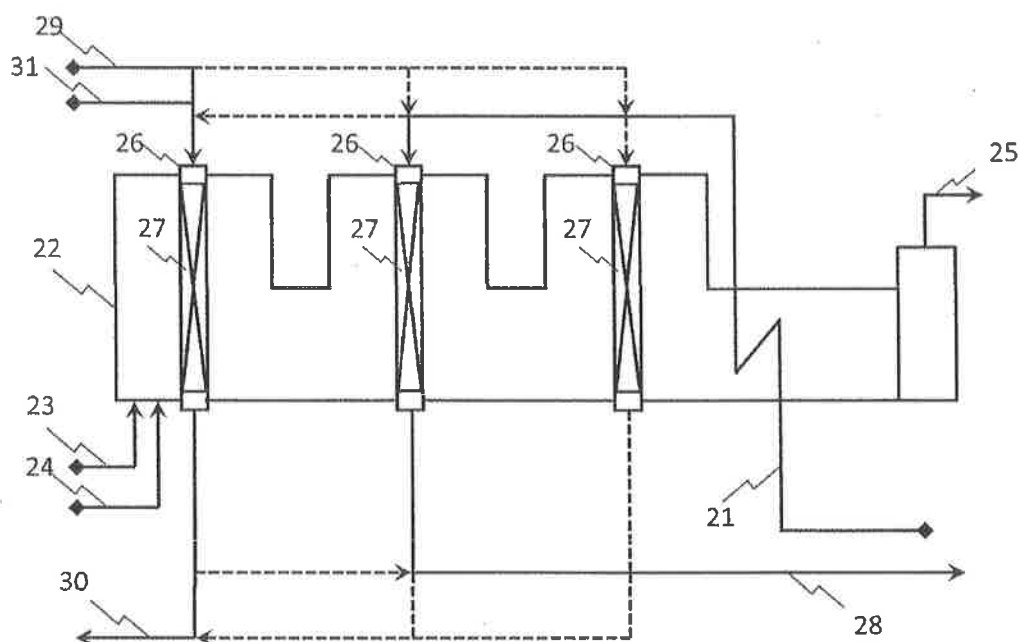


[Fig. 2]

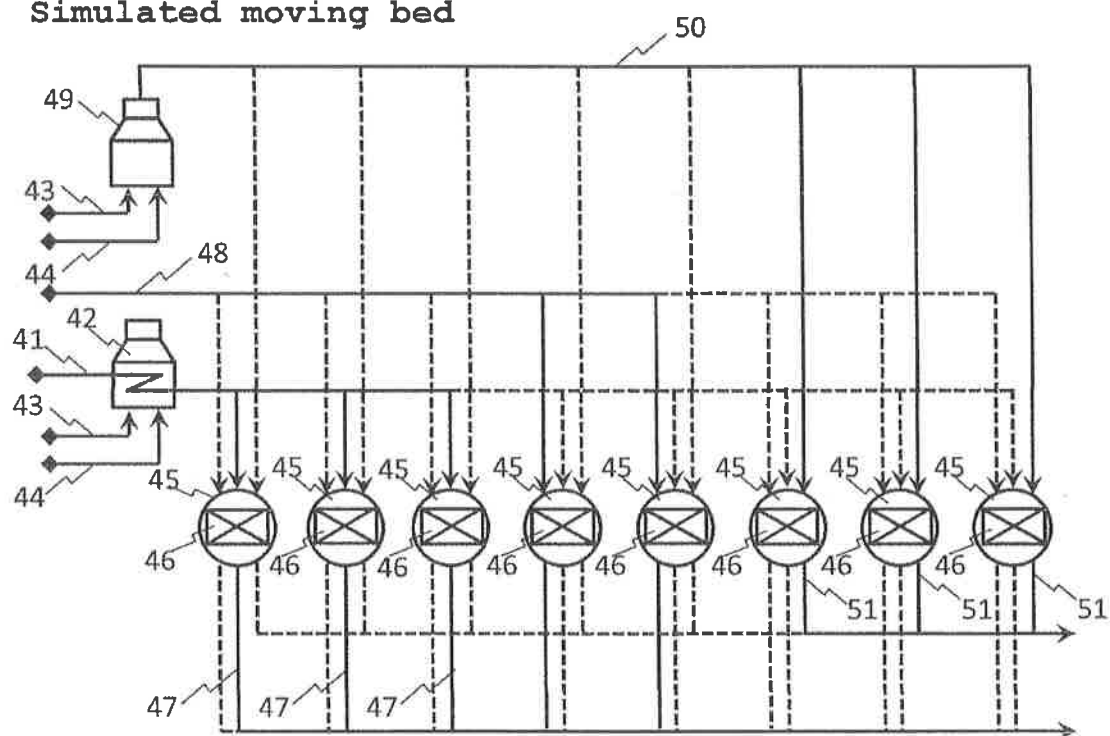
**Heat insulation-
type fixed bed**



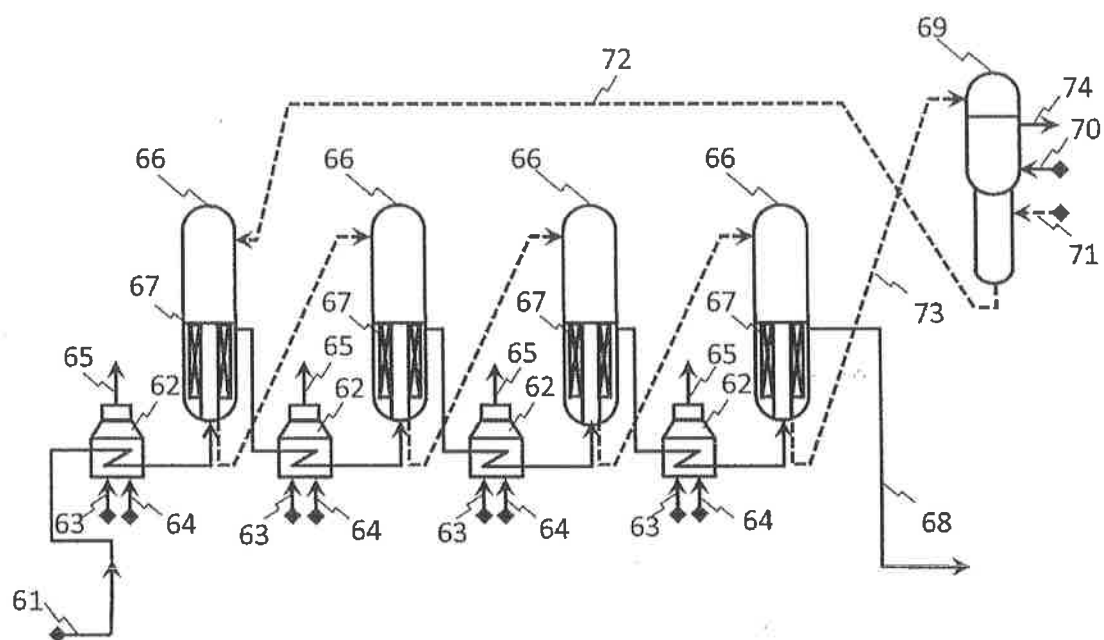
[Fig. 3]

**Multi-tubular fixed bed reactor
(Reformer type)**

[Fig. 4]

Simulated moving bed

[Fig. 5]

Moving bed system

[Fig. 6]

Fluidized bed