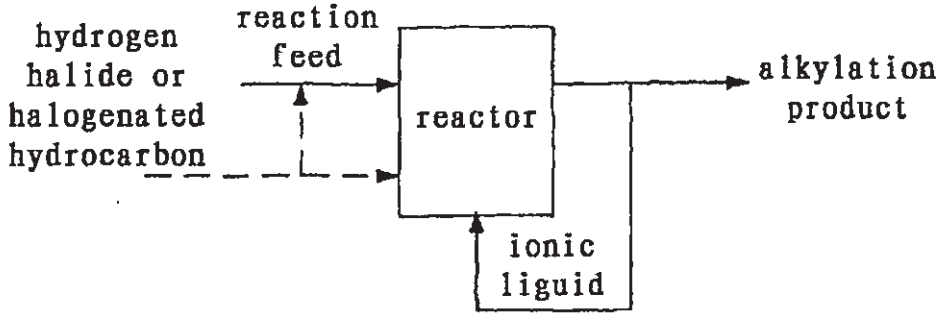

hydrogen
halide or
halogenated
hydrocarbon
reaction
feed
reactor
alkylation
product
ionic
liguid

Fig. 1

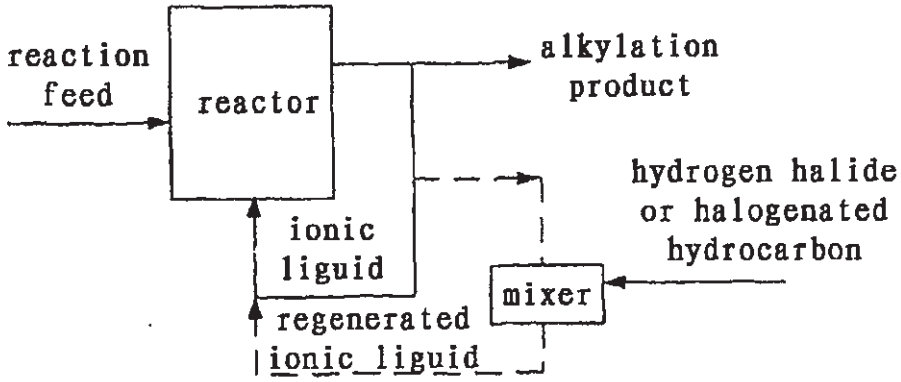

reaction
feed
reactor
alkylation
product
hydrogen halide
or halogenated
hydrocarbon
ionic
liguid
mixer
regenerated
ionic liguid

Fig. 2