

INTEGRATED CATALYTIC CRACKING AND STEAM PYROLYSIS PROCESS FOR OLEFINS

Abstract of the Disclosure

Integration of gas oil and light olefin catalytic cracking zones with a pyrolytic cracking zone to maximize efficient production of petrochemical feedstocks is disclosed. Integration of the units in parallel allows
5 production of an overall product stream with maximum ethylene and/or propylene by routing various feedstreams and recycle streams to the appropriate cracking zone(s), e.g. ethane/propane to the steam pyrolysis zone and $C_4 - C_6$ olefins to the light olefin cracking zone. This integration enhances the value of the material balances produced by the integrated
10 units even while using the lowest value feedstreams.

Figure 1