

DILUTE PROCESS FOR THE PREPARATION OF ETHYLENE/ALPHA-OLEFIN  
COPOLYMER USING METALLOCENE CATALYST SYSTEMS

ABSTRACT

An improved process for the copolymerization of ethylene and  $\alpha$ -olefins utilizing highly dilute  $\alpha$ -olefin feedstreams to effect high conversions and catalyst productivities. The process is particularly adaptable to copolymerizing the  $\alpha$ -olefin content of commercially available, diluted refinery feedstreams such as Raffinate-II.

(no figure)