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(54) Title: PROCESS FOR THE MANUFACTURE OF OLEFIN OLIGOMERS

(57) Abstract: The present invention relates to a process for producing polyolefins wherein a feedstock comprising n-olefin or a mixture of n-olefins is dimerized in the presence of a solid acidic catalyst by passing the feedstock to a catalytic distillation apparatus comprising either a) a combination of a distillation column and a reactor comprising at least one catalyst bed, or b) a distillation column connected to one or more side reactors comprising at least one catalyst layer, recovering the unreacted n-olefin from the distillation column or the combination of the distillation column and the reactor at the upper part thereof as a side-stream to be combined with the feedstock, and the reaction product from the dimerization is hydrogenated.



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