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(54) Title: SELECTIVE COUPLING OF TERMINAL OLEFINS WITH ETHYLENE TO MANUFACTURE LINEAR ALPHA-OLEFINS

(57) Abstract: A process for producing a linear α -olefin which comprises : reacting a stoichiometric excess of a terminal C_n olefin with ethylene in the presence of an organometallic catalyst to produce a C_{n+2} linear α -olefin, wherein the catalyst is capable of producing a Schulz-Flory distribution of the linear α -olefin with a Schulz-Flory constant of less than about 0.8 and wherein n is an integer between about 3 to 20.



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