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(54) Title: LOW AROMATIC POLYOLEFINS

(57) Abstract: The present disclosure relates to processes for producing a catalyst composition. A process may include mixing a catalyst compound having a transition metal atom, an activator, and a support to form a supported catalyst mixture. A process may also include drying the supported catalyst mixture at a pressure of about 10 kPa or less and a temperature of about 60 °C or greater for a period of about 6 h or less. The present disclosure also relates to processes for producing polyolefins. A process may include introducing a catalyst composition and at least one olefin to a polymerization reactor, where the catalyst composition has about 0.5 wt% to about 1.5 wt% aromatic hydrocarbon content, and less than 1 wt% of aliphatic hydrocarbon content. A process may also include obtaining a polyolefin having about 300 ppb or less aromatic hydrocarbon.



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