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(54) Title: METHODS AND CATALYST SYSTEMS FOR PRODUCTION OF ISOTACTIC POLYPROPYLENE

(57) Abstract: Methods of propylene polymerization incorporate bis biphenyl-phenoxy procatalysts favoring polypropylene isotac-
ticity at elevated reactor temperatures. The methods include polymerizing propylene in the presence of a catalyst system to produce
a propylene-based polymer. The catalyst system includes a metal-ligand complex selected from bis-biphenyl-phenoxy procatalysts.
Polymerization reactions result in polypropylenes having greater than 90% isotacticity, as measured by percentages of isotactic triads,
at reaction temperatures from 110 °C to 190 °C or from 160 °C to 190 °C.

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