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(71) Applicant: EXXON CHEMICAL PATENTS INC. [US/US];
5200 Bayway Drive, Baytown, TX 77520-5200 (US).

(72) Inventor: SPECA, Anthony N.; 4306 Hill Forest Drive,
Kingwood, TX 77345 (US).

(74) Agents: SCHMIDT, C., Paige et al.; Exxon Chemical Com-
pany, P.O. Box 2149, Baytown, TX 77522-2149 (US).

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(54) Title: STABLE METALLOCENE CATALYST SYSTEMS

(57) Abstract

This invention relates to stabilized metallocene catalyst systems and to methods for their production and use. Specifically, these catalyst systems comprise metallocene, alkylalumoxane and optionally support material wherein the ratio of the aluminum of the alkyl alumoxane to the transition metal of the metallocene used to prepare the metallocene is in the range of from about 80:1 to about 200:1. These catalysts retain their activity and may be used directly in polymerization after storage for up to two months or more at ambient temperature.