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(54) Title: NON-COORDINATED ALKYLALUMINUM FREE ANION MODIFIED ALUMOXANES AND METHODS THEREOF

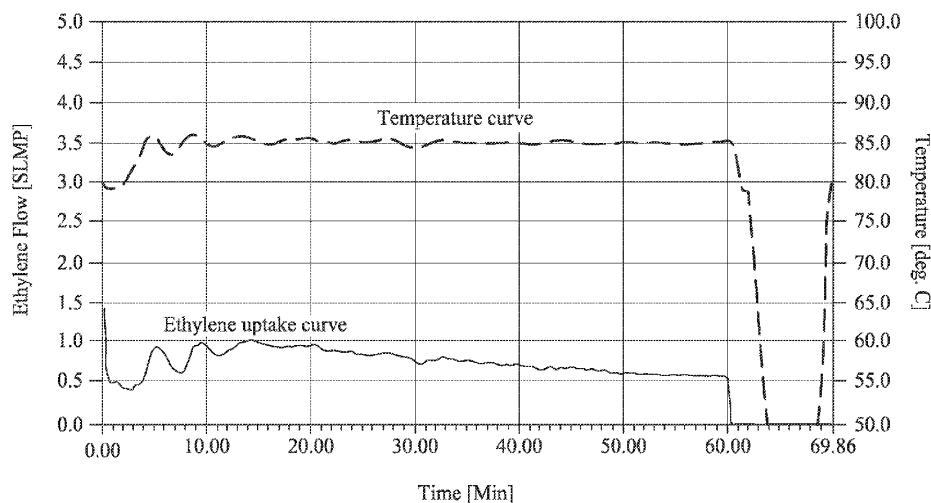


FIG. 1

(57) Abstract: The present disclosure relates to alumoxane compositions substantially or completely undetectable alkylaluminum content, methods of forming such alumoxane compositions, catalyst systems having the alumoxane compositions, and methods of polymerizing olefins using catalyst systems having the alumoxane compositions. In some embodiments, the present disclosure relates to unsupported or supported MAO compositions, methods of forming MAO, catalyst systems having MAO, and methods of polymerizing olefins using catalyst systems having MAO. In some embodiments, a method of making an unsupported or supported MAO with undetectable or low free trihydrocarbyl aluminum includes introducing an unsupported or supported MAO with an electron withdrawing compound to form an unsupported or supported MAO composition with undetectable or low free trihydrocarbyl aluminum.

[Continued on next page]

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