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(54) Title: SUPPORTED LEWIS ACID CATALYSTS FOR HYDROCARBON CONVERSION REACTIONS

(57) Abstract

A supported Lewis acid catalyst, which comprises an inorganic oxide substrate having immobilized thereon at least one Lewis acid and a modifying agent containing at least one functional moiety capable of reacting with surface hydroxyl groups originally present on said substrate and which is effective as a catalyst for hydrocarbon conversion reactions including cationic polymerization, alkylation, isomerization and cracking reactions is disclosed.

9611542-3

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9611542-3 14 OCT 1996