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(71) Applicant (for all designated States except US): **UOP LLC** [US/US]; 25 East Algonquin Road, P. O. Box 5017, Des Plaines, IL 60017-5017 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NEGIZ, Antoine** [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, IL 60017-5017 (US). **GAJDA, Gregory, J.** [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, IL 60017-5017 (US). **RENDE, Dean, E.** [US/US]; UOP LLC, 25 East Algonquin Road, P. O. Box 5017, Des Plaines, IL 60017-5017 (US).

(74) Common Representative: **UOP LLC**; 25 East Algonquin Road, P. O. Box 5017, Des Plaines, IL 60017-5017 (US).

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(54) Title: LAYERED SPHERE CATALYST FORMULATIONS FOR SELECTIVE HYDROGENATION PERFORMANCE

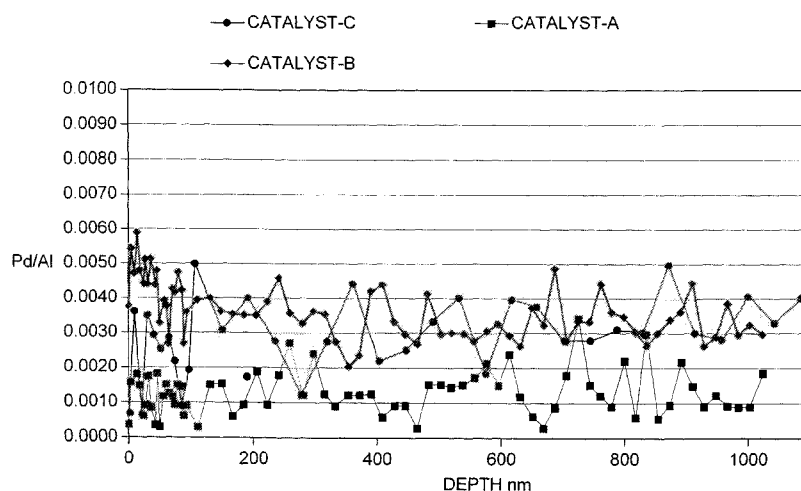


FIG. 1

(57) Abstract: A catalyst for selective hydrogenation of hydrocarbons is presented. The catalyst selectively hydrogenates acetylenes and diolefins to increase the monoolefins in a product stream. The catalyst includes a layered structure with an inert inner core and an outer layer bonded to the inner core, where the outer layer is a metal oxide and has at least two metals deposited on the outer layer.