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(71) Applicant: **ADVANCED REFINING TECHNOLOGIES LLC** [US/US]; 7500 Grace Drive, Columbia, Maryland 21044 (US).

(72) Inventors: **MALICK, Gill M.**; 11750 Ballinary Court, Orland Park, Illinois 60467 (US). **MANTO, Michael J.**; 17740 65th Court, Tinley Park, Illinois 60477 (US). **DER-RIG, John R.**; 5629 Walnut Avenue, Downers Grove, Illinois 60516 (US).

(74) Agent: **CROSS, Charles A.** et al.; W. R. Grace, 7500 Grace Dr., Columbia, Maryland 21044 (US).

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(54) Title: INCORPORATION OF BORON IN HYDROPROCESSING CATALYSTS, CATALYSTS OBTAINED AND USE THEREOF

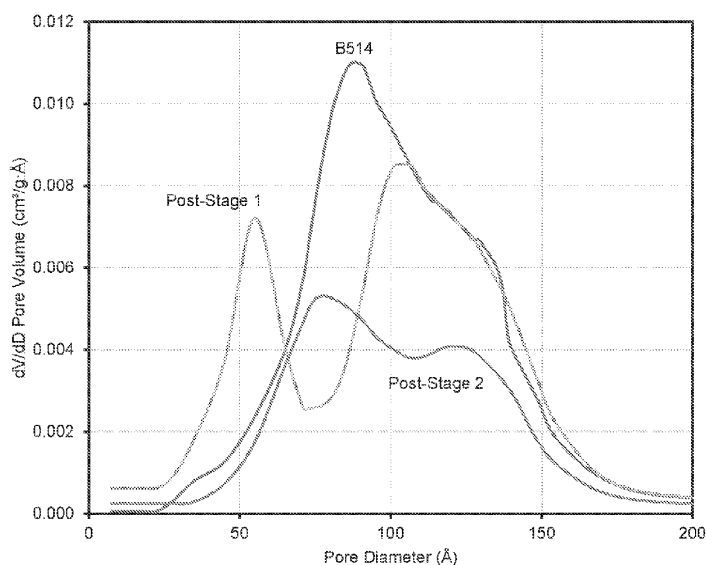


FIG. 1

(57) Abstract: A method of producing a support, and supported catalyst, the method comprising: (a) combining a porous inorganic oxide catalyst carrier or carrier extrudate with an aqueous solution, dispersion or suspension comprising: (i) a boron-containing source; and (ii) an organic compound or organic chelating agent selected from organic compounds comprising at least two oxygen atoms and 2-10 carbon atoms; (b) calcining the composition (a) to reduce its Loss on Ignition (LOI) volatiles content to greater than 0 wt% to less than about 5 wt%; (c) impregnating the calcined composition an aqueous composition comprising at least one each of a Group VIB and Group VIIIB metal-containing source; and (d) calcining, to reduce its LOI volatiles content greater than 0 wt% to less than about 30 wt%; wherein the boron content of a supported catalyst is in the range of about 1 wt% to about 13 wt B₂O₃ based on the total weight of the catalyst.

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