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- (71) Applicant: **ADVANCED REFINING TECHNOLOGIES LLC** [US/US]; 7500 Grace Drive, Columbia, MD 21044 (US).
- (72) Inventors; and
- (71) Applicants : **DUMA, Viorel** [RO/US]; 118 Jade Ct., Hercules, CA 94547 (US). **WOODS, Matthew** [US/US]; 3901 Fleet St., Baltimore, MD 21224 (US).
- (74) Agent: **MAGGIO, Robert**; 7500 Grace Drive, Columbia, MD 21044 (US).

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(54) Title: EXTRUDED RESID DEMETALLATION CATALYST

(57) Abstract: Catalyst supports, supported catalysts, and a method of preparing and using the catalysts for the demetallation of metal-containing heavy oil feedstocks are disclosed. The catalyst supports comprise alumina and 5 wt% or less titania. Catalyst prepared from the supports have at least 30 to 80 volume percent of its pore volume in pores having a diameter of between 200 and 500 angstroms. Catalysts in accordance with the invention exhibit improved catalytic activity and stability to remove metals from heavy feedstocks during a hydroconversion process. The catalysts also exhibit increased sulfur and MCR conversion.

