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(71) Applicant (for all designated States except US): **INTER-CAT, INC.** [US/US]; 104 Union Avenue, Manasquan, NJ 08736 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VIERHEILIG, Albert, A.** [US/US]; 330 Washington Avenue, Savannah, GA 31405 (US). **KEENER, Bruce** [US/US]; 844 Ebenezer Road, Rincon, GA 31326 (US).

(74) Agent: **JOSLYN, Christin, M.**; Wilmer Cutler Pickering Hale and Dorr LLP, 399 Park Avenue, New York, NY 10022 (US).

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(54) Title: GASOLINE SULFUR REDUCTION USING HYDROTALCITE LIKE COMPOUNDS

(57) Abstract: The present invention describes novel methods for reducing sulfur in gasoline with hydrotalcite like compound additives, calcined hydrotalcite like compounds, and/or mixed metal oxide solution solutions. The additives can optionally further comprise one or more metallic oxidants and/or supports. The invention is also directed to methods for reducing gasoline sulfur comprising contacting a catalytic cracking feedstock with a mixed metal oxide compound comprising magnesium and aluminum and having an X-ray diffraction pattern displaying a reflection at least at a two theta peak position at about 43 degrees and about 62 degrees, wherein the ratio of magnesium to aluminum in the compound is from about 1:1 to about 10:1.



WO 2005/081715 A2