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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.



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