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(54) Title: DESULFURIZATION AND SORBENTS FOR SAME

(57) Abstract: Sorbent compositions for the removal of sulfur and sulfur compounds, such as hydrogen sulfide, carbonyl sulfide and mercaptans, out of cracked gasoline and diesel fuels are prepared by impregnation of a sorbent support containing zinc oxide, expanded perlite and alumina with a promotor metal, such as nickel and/or cobalt, followed by reduction of the valence of the promotor metal. The use of milled expanded perlite in forming the sorbent support results in a support in which the zinc oxide content and binder content could be adjusted to provide an attrition resistant sorbent and extend the useful life of the sorbent.