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- (71) Applicant (*for all designated States except US*): PHILLIPS PETROLEUM COMPANY [US/US]; 4th and Keeler, Bartlesville, OK 74004 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): KHARE, Gyanesh, P. [US/US]; 2657 Williamsburg, Bartlesville, OK 74006 (US).

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(54) Title: SORBENT COMPOSITION, PROCESS FOR PRODUCING SAME AND USE IN DESULFURIZATION

(57) Abstract: Particulate sorbent compositions comprising a mixture of zinc oxide, silica, alumina and a substantially reduced valence cobalt are provided for the desulfurization of a feedstream of cracked-gasoline or diesel fuels in a desulfurization zone by a process which comprises the contacting of such feedstreams in a desulfurization zone followed by separation of the resulting low sulfur-containing stream and sulfurized-sorbent and thereafter regenerating and activating the separated sorbent before recycle of same to the desulfurization zone.

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