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- (71) Applicant: **ARCO CHEMICAL TECHNOLOGY, L.P.**
[US/US]; Two Greenville Crossing, 4001 Kennett Pike,
Suite 238, Greenville, DE 19807 (US).
- (72) Inventors: **LEYSHON, David, W.**; 408 Trio Lane, West
Chester, PA 19382 (US). **KARAS, Lawrence, J.**; 1010
Rock Creek Road, West Chester, PA 19380 (US). **HAN,
Yuan-Zhang**; 235 Oxford Road, West Chester, PA 19380
(US). **CARROLL, Kevin, M.**; 511 Kathmere Road,
Havertown, PA 19083 (US).
- (74) Agents: **CARROLL, Kevin, M.** et al.; Lyondell Chemical
Company, 3801 West Chester Pike, Newtown Square, PA
19073 (US).
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(54) Title: ORGANOSULFUR OXIDATION PROCESS

(57) **Abstract:** This invention is a method of oxidizing organosulfur impurities found in fuel streams. The method comprises reacting the organosulfur impurities with an organic hydroperoxide in the presence of a titanium-containing catalyst. The titanium-containing catalyst is obtained by impregnating a siliceous solid with a titanium halide in a hydrocarbon solvent, or a vapor stream of titanium tetrachloride, followed by calcination. The resulting sulfones are more readily removed from the fuel stream than the non-oxidized organosulfur impurities.

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