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(71) Applicant: ARCO CHEMICAL TECHNOLOGY, L.P.
[US/US]; Two Greenville Crossing, Suite 238, 4001 Kennett Pike, Greenville, DE 19807 (US).

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(72) Inventor: HANCU, Dan; 19 Amity Pointe Court, Clifton Park, NY 12065 (US).

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(74) Agents: CARROLL, Kevin, M. et al.; Lyondell Chemical Company, 3810 West Chester Pike, Newtown Square, PA 19073 (US).

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(54) Title: DIRECT EPOXIDATION PROCESS USING PRE-TREATED TITANIUM ZEOLITE

(57) Abstract: The invention is a process for epoxidizing an olefin with hydrogen and oxygen in the presence of a catalyst comprising a noble metal and pretreated titanium zeolite. Titanium zeolite pretreatment comprises contacting the titanium zeolite with a leaching agent prior to use in epoxidation. Surprisingly, the process using the pretreated titanium zeolite shows decreased ring-opening to unwanted glycols and glycol ethers.



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