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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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