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(54) Title: EPOXIDATION PROCESS USING A MIXED CATALYST SYSTEM

(57) Abstract: The invention is a process for epoxidizing olefins with hydrogen and oxygen in the presence of a palladium-containing titanium zeolite and a palladium-free titanium zeolite. The process exhibits good productivity and selectivity for olefin epoxidation with hydrogen, and oxygen. Surprisingly, the presence of palladium-free titanium zeolite in addition to the palladium-containing titanium zeolite in the process improves the palladium productivity of the process.

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