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

(57) Abstract: The invention is a process for epoxidizing an olefin with hydrogen and oxygen in the presence of a catalyst mixture containing a titanium or vanadium zeolite and a supported catalyst comprising palladium rhenium and a carrier. The process results in significantly reduced alkane byproduct formed by the hydrogenation of olefin.



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