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(54) Title: EPOXIDATION PROCESS USING SUPPORTED SILVER CATALYSTS TREATED WITH CARBON DIOXIDE

(57) Abstract

The catalytic performance of a supported silver catalyst in a propylene epoxidation process is improved by first contacting the catalyst at an elevated temperature with a treatment stream comprised of carbon dioxide. The carbon dioxide-treated catalyst is thereafter contacted with a feedstream containing propylene, molecular oxygen, but essentially no carbon dioxide under conditions effective to form propylene oxide.

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