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(54) Title: DIRECT EPOXIDATION PROCESS USING A MIXED CATALYST SYSTEM PRETREATED WITH A BROMIDE CONTAINING AGENT

(57) Abstract: The liquid-phase epoxidation reaction of an olefin with hydrogen and oxygen in the presence of a catalyst mixture comprising titanium zeolite and a supported catalyst surprisingly shows higher activity toward epoxide production when the supported palladium catalyst is pre-treated with bromide, or where the reaction is performed in the presence of an alkali or alkaline earth metal bromide compound.



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