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(54) Title: EPOXIDATION PROCESS USING A SUPPORTED NIOBIUM OXIDE CATALYST

(57) Abstract: The invention is a liquid-phase process for epoxidizing olefins with hydrogen peroxide in the presence of a non-zeolitic, supported niobium oxide catalyst comprising niobium oxide and a support. The process exhibits good productivity and selectivity for olefin epoxidation with hydrogen peroxide.