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(54) Title: PROCESS FOR THE PURIFICATION OF CRUDE PROPENE OXIDE

(57) Abstract: The present invention relates to a process for the purification of a crude propene oxide containing methanol and acetaldehyde by a continuously operated extractive distillation using an extraction solvent lowering the volatility of methanol and feeding a compound containing an unsubstituted NH2 group capable of reacting with acetaldehyde to a distillation column at a point above the feeding point of the crude propene oxide to give a purified propene oxide containing less than 100 ppm methanol and less than 100 ppm acetaldehyde. The invention also relates to a process for the catalytic epoxidation of propene that includes this purification stage.