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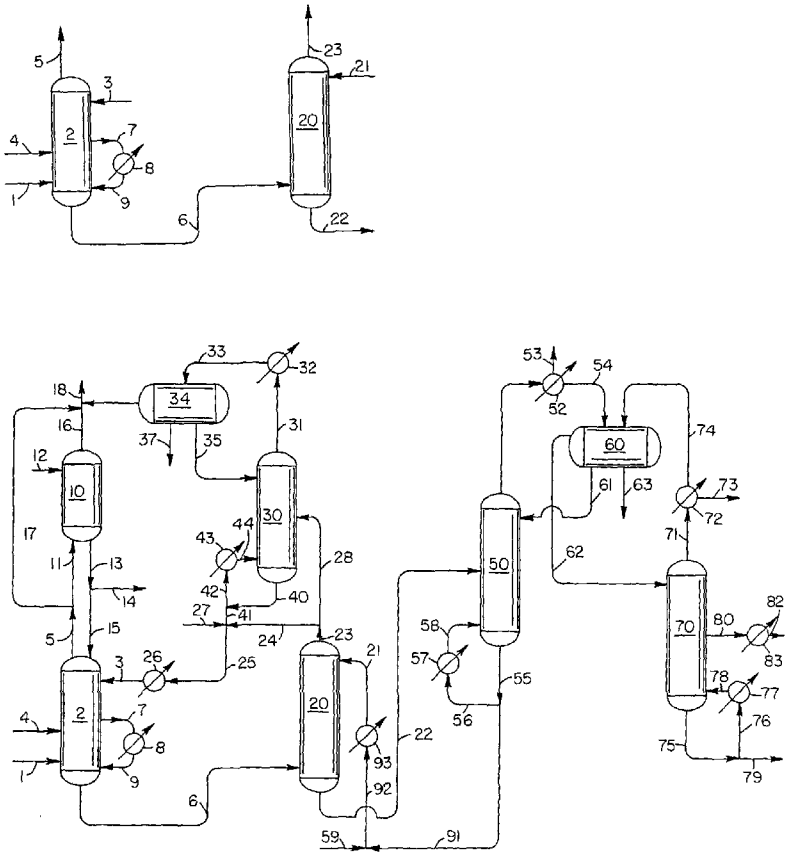
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(54) Title: RECOVERY AND PURIFICATION OF 3,4-EPOXY-1-BUTENE



(57) Abstract: Disclosed is a method of recovering and purifying 3,4-epoxy-1-butene (epoxybutene) from a reaction product gas, obtained by the vapor phase catalytic partial oxidation of 1,3 butadiene with oxygen over a silver catalyst. The recovery and purification comprises absorption of the epoxybutene into a water-miscible solvent followed by separation of the absorbed epoxybutene from the absorbent by extraction into a water-immiscible solvent. A method of recovering and purifying epoxybutene from the extraction solvent and other reaction by-products by a novel combination of distillation and decantation steps also is disclosed.

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