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(54) Title: PROCESS FOR THE RECOVERY OF COMBUSTIBLE COMPONENTS OF A GAS STREAM

(57) Abstract: The present invention refers to a process for the recovery of combustible components of a gas stream comprising the combustible components and oxygen by selective absorption of the combustible components in a solvent, whereby during the absorption the gas phase is dispersed in a continuous liquid phase of the solvent. In a preferred embodiment the present invention refers to a process for the epoxidation of propene with hydrogen peroxide in an alcoholic solvent in presence of a catalyst, wherein a gas stream comprising unreacted propene, propene oxide and oxygen from the decomposition of the hydrogen peroxide is separated from the reaction mixture and the combustible components in said gas stream are recovered using a process as described above.



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