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(54) Title: PROCESS FOR OXIDIZING ORGANIC COMPOUNDS

(57) Abstract: This invention is a process for oxidizing an organic compound with a hydrogen peroxide solution produced by reacting hydrogen and oxygen in the presence of an oxidation catalyst. The hydrogen peroxide is produced by reacting hydrogen and oxygen in a solvent in the presence of a H_2O_2-producing catalyst comprising a polymer-encapsulated combination of a noble metal and an ion-exchange resin. Polymer encapsulation of the H_2O_2-producing catalyst improves its productivity in making hydrogen peroxide and is expected to reduce metal loss.

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