

Title (en)

PROCESS FOR THE SELECTIVE OXIDATION OF ORGANIC COMPOUNDS

Title (de)

VERFAHREN ZUR SELEKTIVEN OXYDATION VON ORGANISCHEN VERBINDUNGEN

Title (fr)

PROCEDE D'OXYDATION SELECTIVE DE COMPOSES ORGANIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9851811A1] A process for the manufacture of oxygenated organic compounds by employing an oxidase to generate H₂O₂ is disclosed. The generated H₂O₂ is used to oxidize an oxidizable organic substrate in the presence of a metal-containing catalyst. An enzyme system of an insoluble carrier of silicon oxide and an oxide of Ag, Co, Ce, Mn, Fe, Cu, Cr, Ti, V, Mo or W, coupled with an oxidase enzyme capable of producing H₂O₂ when reacted with a hydrogen or an electron donor in the presence of oxygen, is also disclosed.

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