

Title (en)  
HOMOGENEOUS OXIDATION CATALYSIS USING METAL COMPLEXES

Title (de)  
HOMOGENE OXIDATIONS KATALYSE UNTER VERWENDUNG VON METALLKOMPLEXEN

Title (fr)  
CATALYSE A OXYDATION HOMOGENE UTILISANT DES COMPLEXES METALLIQUES

Publication  
**EP 0991468 A1 20000412 (EN)**

Application  
**EP 98931384 A 19980618**

Priority  
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Abstract (en)  
[origin: WO9858735A1] The present method provides a method of transferring oxygen to at least one oxidizable site on a target compound. The method includes the steps of selectively oxidizing an oxidizable site on a target compound by reacting in solution: the target compound, a source of oxygen atoms, a source of a Lewis acid, such as a proton, alkali, alkaline earth, rare earth, transition metal or main group metal ion, and a catalyst. The catalyst has general structure (I) wherein Z is preferably N, but may include O and MO is a transition metal-oxo species. The Lewis acid binds to a bidentate secondary site on the Ch1 substituent to form a Lewis acid-catalyst complex.

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