

Title (en)

DESTRUCTION OF HALIDE CONTAINING ORGANICS AND SOLVENT PURIFICATION.

Title (de)

VERNICHTUNG VON HALOGENHALTIGEN ORGANISCHEN VERBINDUNGEN UND LÖSUNGSMITTELREINIGUNG.

Title (fr)

DESTRUCTION DE COMPOSES ORGANIQUES CONTENANT UN HALOGENURE ET PURIFICATION DU SOLVANT.

Publication

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Application

EP 94903701 A 19931223

Priority

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- AU PL739893 A 19930219
- AU PL805993 A 19930326

Abstract (en)

[origin: WO9414731A1] A process for removal of halide from a halide containing organic compound in a solvent, a process for simultaneous removal of halide from a halide containing organic compound and reduction of an oxygen containing organic compound in a solvent, a process for removal of halide from a halide containing organic compound, a process for reduction of an oxygen containing organic compound in a solvent, a system for removal of halide from a halide containing organic compound in a solvent, a system for simultaneous removal of halide from a halide containing organic compound and the reduction of an oxygen containing organic compound in a solvent, and a system for reducing an oxygen containing organic compound in a solvent are disclosed. The process for simultaneous removal of halide from a halide containing organic compound and reduction of an oxygen containing organic compound in a solvent, includes exposing a solvent having a halide containing organic compound and an oxygen containing organic compound, in the presence of hydrogen and a hydrogen halide scavenger, to a catalyst which is capable, in the presence of hydrogen, of (i) converting the halide in the halide containing organic compound to hydrohalic acid; and (ii) reducing the oxygen containing organic compound to hydrohalic acid; and (b) to reduce the oxygen containing organic compound; and neutralising the hydrohalic acid formed in (a) with hydrogen halide scavenger.

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Citation (search report)

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- [Y] DE 3623430 A1 19880128 - VEBA OEL ENTWICKLUNGS GMBH [DE]
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- See references of WO 9414731A1

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