

Title (en)  
DEHYDROHALOGENATION OF HALOGENATED ALKANES USING RARE EARTH HALIDE OR OXYHALIDE CATALYST

Title (de)  
DEHYDROHALOGENIERUNG VON HALOGENIERTEN ALKANEN MIT HALOGENIDEN ODER OXYHALOGENIDEN DER SELTENEN ERDEN ALS KATALYSATOR

Title (fr)  
DESHYDROHALOGENATION D'ALCANES HALOGENES AU MOYEN D'UN CATALYSEUR A L'HALOGENURE DE TERRES RARES OU A L'OXYCHLORURE DE TERRES RARES

Publication  
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Application  
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Abstract (en)  
[origin: WO0138271A1] An oxidative halogenation process involving contacting a hydrocarbon, for example, ethylene, or a halogenated hydrocarbon with a source of halogen, such as hydrogen chloride, and a source of oxygen in the presence of a catalyst so as to form a halocarbon, preferably a chlorocarbon, having a greater number of halogen substituents than the starting hydrocarbon or halogenated hydrocarbon, for example, 1, 2-dichloroethane. The catalyst is a novel composition comprising copper dispersed on a porous rare earth halide support, preferably, a porous rare earth chloride support. A catalyst precursor composition comprising copper dispersed on a porous rare earth oxyhalide support is disclosed. Use of the porous rare earth halide and oxyhalide as support materials for catalytic components is disclosed.

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