

Title (en)

CATALYST AND METHOD FOR PRODUCING CHLORINE BY MEANS OF GAS PHASE OXIDATION

Title (de)

KATALYSATOR UND VERFAHREN ZUR HERSTELLUNG VON CHLOR DURCH GASPHASENOXIDATION

Title (fr)

CATALYSEUR ET PROCÉDÉ POUR PRODUIRE DU CHLORE PAR OXYDATION EN PHASE GAZEUSE

Publication

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Application

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Abstract (en)

[origin: WO2017134230A1] The invention relates to known catalysts which contain cerium or other catalytically active components for producing chlorine by means of a catalytic gas phase oxidation of hydrogen chloride with oxygen. A catalyst material is described for producing chlorine by means of a catalytic gas phase oxidation of hydrogen chloride with oxygen, wherein the catalyst comprises at least oxide compounds of the cerium as active components and zirconium dioxide microparticles as the carrier components, and the catalyst is characterized by a particularly high yield, measured in kgCl₂/kgKA T·h, based on the mass of the catalyst.

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