

Title (en)
METHOD FOR PRODUCING CHLORINE BY GAS PHASE OXIDATION

Title (de)
VERFAHREN ZUR HERSTELLUNG VON CHLOR DURCH GASPHASENOXIDATION

Title (fr)
PROCÉDÉ DE PRODUCTION DE CHLORE PAR OXYDATION EN PHASE GAZEUSE

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Abstract (en)
[origin: WO2009010181A1] The invention relates to a method for producing chlorine by catalytic gas phase oxidation of hydrogen chloride with oxygen, wherein the process gas mixture is reacted on catalyst beds under adiabatic conditions in a reactor in at least two separate reaction zones and the process gas mixture exiting at least one reaction zone is passed through a heat exchanger downstream of the reaction zone. The invention further relates to a reactor system for producing chlorine by catalytic gas phase oxidation of hydrogen chloride with oxygen, by means of the inventive method. The heat exchanger is made up of plates stacked on top of each other and connected to each other.

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