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95/F 902

## Abstract

**Apparatus and its use for oxychlorination**

The preparation of 1,2-dichloroethane from ethylene, hydrogen chloride and oxygen or an oxygen-containing gas (oxychlorination) advantageously proceeds in a reactor having a lower delimitation for a catalyst fluid bed, a first gas inlet (distributor tubes) being arranged above the delimitation and within the catalyst fluid bed, which gas inlet contains nozzles distributed over the entire cross section of the reactor, these nozzles opening into tubes which conduct the exiting gas stream essentially in the opposite direction to the gas stream which fluidizes the catalyst, this gas stream being fed through a second gas inlet beneath the delimitation.

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