

Title (en)

PHOSGENE SYNTHESIS BY CONVERSION OF A GAS MIXTURE CONTAINING CHLORINE AND CARBON MONOXIDE ON AN ORGANIC CATALYST CONTAINING CHLORIDE ANIONS

Title (de)

PHOSGENSYNTHESE DURCH UMSETZUNG EINES CHLOR UND KOHLENSTOFFMONOXID ENTHALTENDEN GASGEMISCHES AN ORGANISCHEM, CHLORANION-HALTIGEN KATALYSATOR

Title (fr)

SYNTHÈSE DE PHOSGÈNE PAR RÉACTION D'UN MÉLANGE GAZEUX CONTENANT DU CHLORE ET DU MONOXYDE DE CARBONE SUR UN CATALYSEUR ORGANIQUE CONTENANT DES ANIONS CHLORE

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Application

EP 21835749 A 20211213

Priority

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Abstract (en)

[origin: WO2022128950A1] The invention relates to a method for producing phosgene, comprising at least the steps of: a) bringing a gas mixture containing carbon monoxide and chlorine into contact with a catalyst, the catalyst containing at least one ionic organic compound which contains monochloride anions and, on contact with chlorine, forms an ionic organic compound containing polychloride anions; b) converting the gas mixture into phosgene on the catalyst. With the invention, phosgene can be produced using less activation energy and in high yields without the use of conventional activated carbon catalysts.

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See references of WO 2022128950A1

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