

Title (en)

METHOD OF OBTAINING 1,2-DICHLOROETHANE BY DIRECT CHLORINATION WITH A STEP OF SEPARATION FROM THE CATALYST BY DIRECT EVAPORATION, AND FACILITY FOR THE IMPLEMENTATION THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 1,2-DICHLORETHAN MITTELS DIREKTCHLORIERUNG MIT EINEM KATALYSATORTRENNNSCHRITT MITTELS DIREKTVERDAMPFUNG SOWIE EINRICHTUNG ZU DESSEN UMSETZUNG

Title (fr)

PROCEDE D'OBTENTION DE 1,2-DICHLOROETHANE PAR CHLORATION DIRECTE AVEC ETAPE DE SEPARATION DU CATALYSEUR PAR EVAPORATION DIRECTE, ET INSTALLATION POUR SA MISE EN OEUVRE

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Application

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Abstract (en)

[origin: WO2008007012A2] The present invention relates to a method of producing liquid 1,2-dichloroethane (DCE), obtained by direct cold chlorination of ethylene in the presence of a Lewis acid type catalyst, in order to obtain, after separation from the catalyst, DCE of sufficient purity to produce monomer vinyl chloride (MVC) by cracking; characterized in that it comprises a step (5) of dechlorination of the liquid DCE flow (4) exiting the chlorination reactor (1), making it possible to eliminate the excess dissolved chlorine, followed by a step (9) of direct evaporation of all of the liquid DCE flow (8) exiting said reactor, allowing separation from the catalyst of the evaporated fraction (10) of the flow of DEC good for cracking. The invention also relates to a facility for implementing such a method.

IPC 8 full level

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