

Title (en)

USE OF A PRESSURE OPERATED CERAMIC HEAT EXCHANGER AS AN INTEGRAL COMPONENT OF A SYSTEM FOR CONVERTING SILICON TETRACHLORIDE TO TRICHLOROSILANE

Title (de)

VERWENDUNG EINES DRUCKBETRIEBENEN KERAMISCHEN WÄRMETAUSCHERS ALS INTEGRALER BESTANDTEIL EINER ANLAGE ZUR UMSETZUNG VON SILICIUMTETRACHLORID ZU TRICHLORSILAN

Title (fr)

UTILISATION D'UN ÉCHANGEUR DE CHALEUR EN CÉRAMIQUE FONCTIONNANT SOUS PRESSION COMME PARTIE INTÉGRANTE D'UNE INSTALLATION POUR TRANSFORMER DU TÉTRACHLORURE DE SILICIUM EN TRICHLOROSILANE

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Application

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Abstract (en)

[origin: WO2011085899A1] The invention relates to the use of a ceramic heat exchanger as an integral component of a method for the catalytic hydrodehalogenation of silicon tetrachloride to trichlorosilane in the presence of hydrogen, wherein the product gas and the reactant gases are conducted through the heat exchanger as pressurized streams and the heat exchanger comprises heat exchanger elements made of ceramic material.

IPC 8 full level

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