

Title (en)

USE OF BURNERS WITH A JET TUBE IN REACTORS FOR CONVERSION OF CHLOROSILANES

Title (de)

VERWENDUNG VON BRENNERN MIT STRAHLROHR IN REAKTOREN ZUR UMSETZUNG VON CHLORSILANEN

Title (fr)

UTILISATION DE BRÛLEURS À TUBE RADIANT DANS DES RÉACTEURS DE CONVERSION DE CHLOROSILANES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012130543A1] The invention provides for the use of a particular burner design to heat reactors for conversion of chlorosilanes, wherein the burner has a jet tube and the jet tube surrounds the flame and the flame tube in a gastight manner, as a result of which the combustion air, the gaseous and/or liquid fuels and the flue gases cannot get into the reaction furnace space. The advantage is the complete separation of the flue gas from the actual interior of the reaction furnace, which prevents critical interactions between flue gas moisture and chlorosilanes in the case of fracture of the arrangement accommodating the chlorosilanes. This in turn makes it possible to use gaseous or liquid fuels to heat such a reaction furnace. Excessive local input of heat as a result of direct flame contact is prevented; heat input is homogenized.

IPC 8 full level

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Citation (search report)

See references of WO 2012130543A1

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