

Title (en)

SYSTEM AND METHOD FOR CARRYING OUT HETEROGENEOUS CATALYTIC GAS-PHASE REACTIONS

Title (de)

ANLAGE UND VERFAHREN ZUR DURCHFÜHRUNG VON HETEROGEN KATALYSIERTEN GASPHASEN-REAKTIONEN

Title (fr)

INSTALLATION ET PROCÉDÉ DE RÉALISATION DE RÉACTIONS EN PHASE GAZEUSE À CATALYSE HÉTÉROGÈNE

Publication

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Application

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Abstract (en)

[origin: WO2015189221A1] The invention relates to a system (1) for carrying out heterogeneous catalytic gas-phase reactions, comprising: a reactor (3); at least one line (11), leading into the reactor (3), for introducing reagents into the reactor (3); at least one first feed (5), leading into the line (11), for providing at least one first reagent A; at least one second feed (7), leading into the line (11), for providing at least one second reagent B; at least one third feed (9), leading into the line (11), for providing a circuit gas G; a temperature-control unit (13), arranged upstream from the reactor (3) in the line (11), for controlling the temperature of the first reagent A and/or second reagent B and/or the circuit gas G before entering into the reactor (3); and at least one outlet (15) for products, by-products and/or unreacted reagents of the gas-phase reaction. The invention also relates to a method for carrying out heterogeneous catalytic gas-phase reactions.

IPC 8 full level

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