

Title (en)

PIPE BUNDLE REACTOR WITH HEAT RECOVERY FROM PRODUCT GAS

Title (de)

ROHRBÜNDELREAKTOR MIT WÄRMERÜCKGEWINNUNG AUS PRODUKTGAS

Title (fr)

RÉACTEUR À FAISCEAU TUBULAIRE À RÉCUPÉRATION DE CHALEUR À PARTIR DE GAZ DE RÉACTION

Publication

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Application

EP 13717263 A 20130416

Priority

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Abstract (en)

[origin: WO2013156480A1] The invention relates to a pipe bundle reactor for chemical synthesis, to a method for operating the pipe bundle reactor and to an arrangement composed of a pipe bundle reactor and a high-temperature electrolysis means. The pipe bundle reactor comprises an outer casing, an inner casing and an intermediate space delimited by the two casings, with at least one gas line in the intermediate space. The intermediate space and the inner casing are filled with heat transfer medium. The heat transfer of the reaction heat to the heat transfer medium is improved because the heat of the product gas is also transferred in the intermediate space. Furthermore, the temperature in the pipe bundle reactor can be regulated.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2013156480A1

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