

Title (en)
REACTOR AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
REAKTOR UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
RÉACTEUR ET SON PROCÉDÉ DE FABRICATION

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Application
EP 08801889 A 20080906

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• DE 102007045123 A 20070920

Abstract (en)
[origin: WO2009039946A1] The present invention relates to a chemical reactor (1) for the conversion of liquid reaction mixtures, comprising at least one adiabatic reaction zone (2), which comprises a catalyst bed (3), and also comprising at least one heat exchanger (4), following the reaction zone (2), wherein the heat exchanger (4) comprises plates (5, 6) stacked one on top of the other and connected to one another, the individual plates (5, 6) have at least two fluid flow channels (7, 8) according to a predetermined pattern, and the plates provided with fluid flow channels (7, 8) are arranged in such a way that the reaction mixture flows through the heat exchanger (4) in a first flow path direction and the heat exchange medium used in the heat exchanger (4) flows through the heat exchanger (4) in a second flow path direction. The plates (5, 6) in the at least one heat exchanger (4) are connected to one another by brazing.

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