Title (en)
FLUIDIZED BED METHOD AND REACTOR FOR CARRYING OUT EXOTHERMIC CHEMICAL EQUILIBRIUM REACTIONS

Title (de)
WIRBELSCHICHTVERFAHREN UND REAKTOR ZUR DURCHFÜHRUNG EXOTHERMER CHEMISCHER GLEICHGEWICHTSREAKTIONEN

Title (fr)
PROCEDE A LIT FLUIDISE ET REACTEUR PERMETTANT DE CONDUIRE DES REACTIONS CHIMIQUES EXOTHERMES EQUILIBREES

Publication
EP 1735084 A1 20061227 (DE)

Application
EP 05716251 A 20050321

Priority
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Abstract (en)
[origin: WO2005092488A1] The invention relates to a method for carrying out exothermic chemical equilibrium reactions in a fluidized bed reactor, wherein the temperature is distributed across the fluidized bed of the fluidized reactor and the temperature difference between the lowest and the highest temperature is at least 10 K. The invention also relates to a fluidized bed reactor for carrying out chemical reactions in a fluidized bed (5), which is characterized in that at least one heat exchanger (12, 28) is arranged in the fluidized bed (5) for controlling temperature distribution.

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CPC (source: EP KR US)
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Citation (search report)
See references of WO 2005092488A1

Citation (examination)
- US 3679373 A 19720725 - VANCAMP RAYMOND M, et al
- US 3735498 A 19730529 - SUZUKAWA Y, et al

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