Title (en)
METHOD FOR THE PRODUCTION OF A CHEMICAL REACTION PRODUCT WITH THE AID OF A FIXED-BED REACTOR

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES CHEMISCHEN REAKTIONSPRODUKTS MITTELS FESTBETTREAKTOR

Title (fr)
PROCEDE DE FABRICATION D'UN PRODUIT DE REACTION CHIMIQUE AU MOYEN D'UN REACTEUR A LIT SOLIDE

Publication
EP 1703957 A1 20060927 (DE)

Application
EP 05700003 A 20050113

Priority
• AT 2005000002 W 20050113
• AT 422004 A 20040115

Abstract (en)
[origin: WO2005068042A1] Disclosed is a method for producing at least one chemical reaction product by chemically reacting one or several reactants that is/are optionally dissolved in one or several solvents and is/are supplied as a feed stream by bringing the same in contact with a heterogeneous catalyst in a continuously operated fixed-bed reactor which is filled with a particle bed, a continuous annular chromatograph (CAC) that is filled with the particle bed being used as a fixed-bed reactor in which the at least one reaction product is formed and purified while the at least one purified reaction product as well as optionally provided secondary products and/or non-reacted reactants are withdrawn at a different, predetermined azimuthal position of the annular chromatograph, respectively. The inventive method is characterized in that only one type of particle material is used in a single particle bed as both a formation catalyst and a chromatographic medium for purifying the at least one reaction product in the particle bed.

IPC 8 full level
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CPC (source: EP US)
B01D 15/1892 (2013.01 - EP US); **B01J 8/0257** (2013.01 - EP US); **B01J 8/0285** (2013.01 - EP US); B01J 2208/00212 (2013.01 - EP US); Y02P 20/582 (2015.11 - EP US)

Citation (search report)
See references of WO 2005068042A1

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