

Title (en)
PROCESS AND SYSTEM FOR PREPARING A TARGET COMPOUND

Title (de)
VERFAHREN UND ANLAGE ZUR HERSTELLUNG EINER ZIELVERBINDUNG

Title (fr)
PROCÉDÉ ET INSTALLATION POUR LA PRODUCTION D'UN COMPOSÉ CIBLE

Publication
EP 4308530 A1 20240124 (DE)

Application
EP 22715019 A 20220314

Priority
• DE 102021202492 A 20210315
• EP 2022056568 W 20220314

Abstract (en)
[origin: WO2022194792A1] The invention relates to a process for preparing a target compound, in which an ethane-containing feed mixture (A) is distributed across a plurality of parallel reaction tubes (10) of a tube reactor (100) and subjected to an oxidative catalytic conversion of the ethane in the reaction tubes (10), wherein the catalytic conversion is carried out by means of catalysis zones (11, 12, 13), having different activity, arranged one behind the other in the reaction tubes (10), and wherein in each case one or more catalytically active materials and one or more catalytically inactive materials are provided in the catalysis zones (11, 12, 13). The different activity of the catalysis zones (11, 12, 13) is brought about by providing the one or more catalytically active materials with an identical or substantially identical basic formulation, wherein the one or more catalytically active materials is or are prepared using different calcination intensities. The invention also relates to a corresponding system.

IPC 8 full level
C07C 5/48 (2006.01); **B01J 19/00** (2006.01); **B01J 23/20** (2006.01); **B01J 32/00** (2006.01); **C07C 11/04** (2006.01)

CPC (source: EP)
B01J 8/0438 (2013.01); **B01J 23/28** (2013.01); **B01J 27/0576** (2013.01); **B01J 37/0009** (2013.01); **B01J 37/08** (2013.01); **C07C 5/48** (2013.01); **B01J 2208/025** (2013.01); **B01J 2523/00** (2013.01); **C07C 2523/20** (2013.01); **C07C 2523/22** (2013.01); **C07C 2523/28** (2013.01); **C07C 2527/057** (2013.01)

C-Set (source: EP)
1. **C07C 5/48** + **C07C 11/04**
2. **B01J 2523/00** + **B01J 2523/55** + **B01J 2523/56** + **B01J 2523/64** + **B01J 2523/68**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021202492 A1 20220915; CA 3212559 A1 20220922; CN 117242046 A 20231215; EP 4308530 A1 20240124; WO 2022194792 A1 20220922

DOCDB simple family (application)
DE 102021202492 A 20210315; CA 3212559 A 20220314; CN 202280028849 A 20220314; EP 2022056568 W 20220314; EP 22715019 A 20220314