

Title (en)

CATALYTIC TITANIUM (IV) OXIDE INDUCED GEMINAL ASYMMETRIC DIALKYLATION OF CARBOXYLIC ACID AMIDES

Title (de)

KATALYTISCH TITAN(IV)-OXID VERMITTELTE GEMINALE UNSYMMETRISCHE DIALKYLIERUNG VON CARBONSÄUREAMIDEN

Title (fr)

DIALKYLATION ASYMETRIQUE GEMINEE D'AMIDES D'ACIDE CARBOXYLIQUE INDUITE PAR VOIE CATALYTIQUE PAR OXYDE TITANIQUE

Publication

EP 1087932 A1 20010404 (DE)

Application

EP 99932701 A 19990618

Priority

- DE 19827165 A 19980618
- EP 9904249 W 19990618

Abstract (en)

[origin: DE19827165A1] The invention relates to a method for asymmetrically disubstituting carboxylic acid amides on the geminal carbonyl-C-atom using two different grignard reagents in the presence of titanium dioxide.

IPC 1-7

C07C 209/66; **B01J 21/06**

IPC 8 full level

B01J 31/02 (2006.01); **C07B 61/00** (2006.01); **C07C 209/66** (2006.01); **C07C 209/68** (2006.01); **C07D 295/02** (2006.01); **C07D 295/023** (2006.01); **B01J 21/06** (2006.01); **C07C 211/08** (2006.01)

CPC (source: EP KR)

B01J 31/0231 (2013.01 - EP); **B01J 31/0274** (2013.01 - EP); **B01J 31/0275** (2013.01 - EP); **C07C 209/66** (2013.01 - KR); **C07C 209/68** (2013.01 - EP); **C07D 295/023** (2013.01 - EP); **B01J 21/06** (2013.01 - EP); **B01J 21/063** (2013.01 - EP); **B01J 2231/341** (2013.01 - EP); **B01J 2231/40** (2013.01 - EP)

Citation (search report)

See references of WO 9965857A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)

DE 19827165 A1 19991223; EP 1087932 A1 20010404; JP 2002518360 A 20020625; KR 20010052917 A 20010625; WO 9965857 A1 19991223

DOCDB simple family (application)

DE 19827165 A 19980618; EP 9904249 W 19990618; EP 99932701 A 19990618; JP 2000554684 A 19990618; KR 20007014273 A 20001215