

Title (en)

METHOD FOR PRODUCING TRICYCLODECANDIALDEHYDE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON TRICYCLODECANDIALDEHYD

Title (fr)

PROCEDE DE PRODUCTION DE TRICYCLODECANDIALDEHYDE

Publication

EP 1694621 A1 20060830 (DE)

Application

EP 04803526 A 20041204

Priority

- EP 2004013814 W 20041204
- DE 10357718 A 20031209

Abstract (en)

[origin: WO2005058786A1] The invention relates to a method for producing tricyclodecandialdehyde by hydroformulating dicyclopentadiene by means of a CO/H₂-mixture in the presence of a non-ligand modified rhodium catalyst which can be dissolved in a homogenous manner in the hydroformulation medium at a high temperature and at high pressure. Hydroformulation is carried out at pressure of between 200 - 350 bar in at least two reaction zones. In a first reaction zone, the reaction temperature is adjusted from 80 to 120 DEG C and in a reaction zone, which follows on from the latter, the temperature is adjusted from 120 to 150 DEG C, with the proviso that the reaction temperature in the subsequent reaction area is at least 5 DEG C higher than in the previous reaction zone.

IPC 8 full level

C07C 45/50 (2006.01); **C07C 29/141** (2006.01); **C07C 31/27** (2006.01); **C07C 47/347** (2006.01); **C07C 209/26** (2006.01); **C07C 211/19** (2006.01)

CPC (source: EP US)

C07C 29/141 (2013.01 - EP US); **C07C 47/347** (2013.01 - EP US); **C07C 209/26** (2013.01 - EP US); **C07C 2603/68** (2017.05 - EP US)

C-Set (source: EP US)

1. **C07C 209/26** + **C07C 211/19**
2. **C07C 29/141** + **C07C 31/278**

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005058786 A1 20050630; CN 100400490 C 20080709; CN 1890203 A 20070103; DE 10357718 A1 20050721; EP 1694621 A1 20060830; US 2007100168 A1 20070503; US 7321068 B2 20080122

DOCDB simple family (application)

EP 2004013814 W 20041204; CN 200480036803 A 20041204; DE 10357718 A 20031209; EP 04803526 A 20041204; US 58180204 A 20041214