

Title (en)  
PROCESS FOR HYDROGENATION

Title (de)  
HYDRIERVERFAHREN

Title (fr)  
PROCÉDÉ POUR L'HYDROGÉNATION

Publication  
**EP 2462100 A1 20120613 (EN)**

Application  
**EP 10740231 A 20100806**

Priority

- EP 09167497 A 20090807
- EP 09167506 A 20090807
- EP 2010061458 W 20100806
- EP 10740231 A 20100806

Abstract (en)  
[origin: WO2011015643A1] A process for the hydrogenation of a reactant selected from: (a) a 5- or 6-membered lactone that is substituted at the ring-closing carbon atom and has a proton at a carbon atom adjacent to the ring-closing carbon atom; (b) an ester of a carboxylic acid having a gamma- carbonyl group and a proton at a carbon atom adjacent to the carbon atom of the carbonyl group; and (c) a carboxylic acid having a gamma-carbonyl group and a proton at a carbon atom adjacent to the carbon atom of the carbonyl group, which process involves contacting the reactant with a catalyst in the presence of hydrogen, at a temperature from 100 to 350°C and a pressure from 1 to 150 bar (absolute), provided the pressure is low enough to avoid condensation of the heaviest feed component at the temperature chosen, and wherein the catalyst is a weakly acidic heterogeneous catalyst comprising a hydrogenating metal.

IPC 8 full level  
**C07C 51/377** (2006.01); **C07C 53/126** (2006.01)

CPC (source: EP)  
**C07C 51/377** (2013.01)

C-Set (source: EP)  
**C07C 51/377 + C07C 53/126**

Citation (search report)  
See references of WO 2011015643A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011015643 A1 20110210**; CA 2769424 A1 20110210; EP 2462100 A1 20120613

DOCDB simple family (application)  
**EP 2010061458 W 20100806**; CA 2769424 A 20100806; EP 10740231 A 20100806