

Title (en)

PROCESS FOR ISOMERIZATION OF LACTONES INTO PENTENOIC ACIDS BY ACID OR BASIC CATALYSIS.

Title (de)

VERFAHREN ZUR ISOMERISIERUNG VON LAKTONEN ZUM PENTENSÄUREN DURCH SÄURE ODER BASISISCHE KATALYSE.

Title (fr)

PROCEDE D'ISOMERISATION DE LACTONES EN ACIDES PENTENOIQUES PAR CATALYSE ACIDE OU BASIQUE.

Publication

EP 0662944 A1 19950719 (FR)

Application

EP 93920924 A 19930923

Priority

- FR 9300928 W 19930923
- FR 9212181 A 19921002
- FR 9212182 A 19921002

Abstract (en)

[origin: WO9407835A1] The present invention relates to a process for isomerization of lactones, more particularly various valerolactones and isomers thereof into pentenoic acids. It relates more particularly to a process for isomerization into a pentenoic acid of at least one lactone having 5 carbon atoms, characterized in that said lactone is brought in contact in vapour phase with a solid acid catalyst selected amongst molecular acid sieves, clays, bridged clays (or pillar clays), massic oxides and acid phosphates or with a solid basic catalyst selected amongst metal basic phosphates, metal basic oxides, metal carbonates and molecular basic sieves.

IPC 1-7

C07C 57/03; **C07C 51/09**

IPC 8 full level

B01J 21/16 (2006.01); **B01J 27/18** (2006.01); **B01J 29/08** (2006.01); **B01J 29/14** (2006.01); **B01J 29/18** (2006.01); **B01J 29/24** (2006.01); **B01J 29/40** (2006.01); **B01J 29/46** (2006.01); **B01J 29/65** (2006.01); **B01J 29/68** (2006.01); **B01J 29/84** (2006.01); **B01J 29/85** (2006.01); **C07B 61/00** (2006.01); **C07C 51/09** (2006.01); **C07C 57/03** (2006.01)

CPC (source: EP KR)

C07C 51/09 (2013.01 - EP); **C07C 57/03** (2013.01 - KR)

Citation (search report)

See references of WO 9407835A1

Designated contracting state (EPC)

BE DE ES FR GB GR IE IT NL PT

DOCDB simple family (publication)

WO 9407835 A1 19940414; BR 9307159 A 19990330; CA 2146153 A1 19940414; CN 1089933 A 19940727; CZ 79795 A3 19950913; EP 0662944 A1 19950719; JP H08500608 A 19960123; KR 950703508 A 19950920; MX 9306070 A 19940531; PL 308208 A1 19950724; SG 45321 A1 19980116; SK 41895 A3 19950913

DOCDB simple family (application)

FR 9300928 W 19930923; BR 9307159 A 19930923; CA 2146153 A 19930923; CN 93118204 A 19930928; CZ 79795 A 19930923; EP 93920924 A 19930923; JP 50876794 A 19930923; KR 19950701253 A 19950401; MX 9306070 A 19930930; PL 30820893 A 19930923; SG 1996003483 A 19930923; SK 41895 A 19930923