

Title (en)

LACTONE PREPARATION PROCESS

Title (de)

HERSTELLUNGSVERFAHREN EINES LATONES

Title (fr)

PROCEDE DE PREPARATION D'UNE LACTONE

Publication

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Application

EP 11712551 A 20110405

Priority

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Abstract (en)

[origin: WO2011124578A1] The present invention relates to a method for preparing a lactone. The invention relates in particular to the preparation of butyrolactone, valerolactone and caprolactone. The method for preparing a lactone according to the invention is characterized in that it includes the reduction of a dicarboxylic acid using hydrogen, in the gaseous phase and in the presence of an effective amount of a catalyst including an active ruthenium-tin phase consisting of at least one Ru₂Sn₃ alloy and an Ru₃Sn₇ alloy.

IPC 8 full level

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Citation (search report)

See references of WO 2011124578A1

Citation (examination)

SILVA A M ET AL: "Role of catalyst preparation on determining selective sites for hydrogenation of dimethyl adipate over RuSn/Al₂O₃", JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL, ELSEVIER, AMSTERDAM, NL, vol. 253, no. 1-2, 1 July 2006 (2006-07-01), pages 62 - 69, XP028015697, ISSN: 1381-1169, [retrieved on 20060701], DOI: 10.1016/J.MOLCATA.2006.03.005

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