

Title (en)

PROCESS FOR THE PRODUCTION OF L-AMINO ACIDS USING CORYNEFORM BACTERIA

Title (de)

VERFAHREN ZUR PRODUKTION VON L-AMINOSÄUREN UNTER VERWENDUNG VON CORYNEFORM BAKTERIEN

Title (fr)

PROCEDE D'OBTENTION D'ACIDES AMINES L AU MOYEN DE BACTERIES CORYNEFORMES

Publication

EP 1425406 A2 20040609 (EN)

Application

EP 02760318 A 20020813

Priority

- DE 10144493 A 20010911
- EP 0209043 W 20020813

Abstract (en)

[origin: WO03023044A2] The invention relates to a process for the production of L-amino acids, in which the following steps are carried out: a) fermentation of the coryneform bacteria producing the desired L-amino acid, in which at least the gene coding for S-adenosylmethionine synthetase and/or the gene coding for a transporter for branched-chain amino acids is/are attenuated, b) enrichment of the desired L-amino acid in the medium or in the bacterial cells, and c) isolation of the L-amino acid, and optionally bacteria are used in which in addition further genes of the biosynthesis pathway of the desired L-amino acid are enhanced, or bacteria are used in which the metabolic pathways that reduce the formation of the desired L-amino acid are at least partially switched off.

IPC 1-7

C12P 13/04; **C12N 1/21**; **C12P 13/12**

IPC 8 full level

C12N 1/21 (2006.01); **C12P 13/12** (2006.01)

CPC (source: EP)

C12P 13/12 (2013.01)

Citation (search report)

See references of WO 03023044A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03023044 A2 20030320; **WO 03023044 A3 20030814**; AU 2002325942 A1 20030324; DE 10144493 A1 20030703; EP 1425406 A2 20040609

DOCDB simple family (application)

EP 0209043 W 20020813; AU 2002325942 A 20020813; DE 10144493 A 20010911; EP 02760318 A 20020813