

Title (en)

IMPROVED METHOD FOR THE PRODUCTION OF VITAMIN B12

Title (de)

VERBESSERTES VERFAHREN ZUR HERSTELLUNG VON VITAMIN B12

Title (fr)

PROCEDE AMELIORE DE PRODUCTION DE LA VITAMINE B12

Publication

**EP 1492877 A2 20050105 (DE)**

Application

**EP 03745269 A 20030324**

Priority

- DE 10214286 A 20020328
- DE 10254362 A 20021121
- EP 0303016 W 20030324

Abstract (en)

[origin: WO03083123A2] The invention relates to an improved method for producing vitamin B12, according to which a culture containing a microorganism in which at least the enzymes uroporphyrinogen-III-methyltransferase and precorrin-2-dehydrogenase that are involved in sirohaem synthesis have an increased activity as opposed to the corresponding endogenous enzyme activities is fermented.

IPC 1-7

**C12P 19/42**

IPC 8 full level

**C12N 15/09** (2006.01); **C12N 1/21** (2006.01); **C12N 9/02** (2006.01); **C12N 9/10** (2006.01); **C12N 9/88** (2006.01); **C12P 9/00** (2006.01); **C12P 19/42** (2006.01)

CPC (source: EP)

**C12N 9/001** (2013.01); **C12N 9/1007** (2013.01); **C12N 9/88** (2013.01); **C12P 19/42** (2013.01)

Citation (search report)

See references of WO 03083123A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03083123 A2 20031009**; **WO 03083123 A3 20031224**; AU 2003226696 A1 20031013; AU 2003226696 A8 20031013; CN 1643157 A 20050720; EP 1492877 A2 20050105; JP 2005528094 A 20050922

DOCDB simple family (application)

**EP 0303016 W 20030324**; AU 2003226696 A 20030324; CN 03807317 A 20030324; EP 03745269 A 20030324; JP 2003580556 A 20030324