

Title (en)

IN VITRO PROTEIN SYNTHESIS USING GLYCOLYTIC INTERMEDIATES AS AN ENERGY SOURCE

Title (de)

IN-VITROPROTEINSYNTHESE UNTER VERWENDUNG VON GLYKOLYTISCHEN ZWISCHENPRODUKTEN ALS ENERGIEQUELLE

Title (fr)

SYNTHESE IN VITRO DE PROTEINES UTILISANT DES INTERMEDIAIRES GLYCOLYTIQUES COMME SOURCE D'ENERGIE

Publication

**EP 1341802 A1 20030910 (EN)**

Application

**EP 00980413 A 20001114**

Priority

US 0031449 W 20001114

Abstract (en)

[origin: WO0240497A1] Compositions and methods are provided for the enhanced in vitro synthesis of biological molecules where ATP is required for synthesis. Of particular interest is the synthesis of polymers, e.g. nucleic acids, polypeptides, and complex carbohydrates. Glycolytic intermediates or glucose are used as an energy source, in combination with added NADH or NAD<+>.

IPC 1-7

**C07H 19/04**; **C07H 19/20**; **C12Q 1/34**; **C12Q 1/42**; **C12Q 1/48**; **C12Q 1/52**; **C12Q 1/54**

IPC 8 full level

**C12P 21/00** (2006.01); **C07K 1/02** (2006.01)

CPC (source: EP)

**C07K 1/02** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0240497 A1 20020523**; AU 1767801 A 20020527; CA 2428693 A1 20020523; EP 1341802 A1 20030910; EP 1341802 A4 20040908; JP 2004513652 A 20040513

DOCDB simple family (application)

**US 0031449 W 20001114**; AU 1767801 A 20001114; CA 2428693 A 20001114; EP 00980413 A 20001114; JP 2002543505 A 20001114