

Title (en)

IMPROVED METHODS FOR THE SYNTHESIS OF NUCLEIC ACIDS

Title (de)

VERBESSERTE VERFAHREN ZUR SYNTHESE VON NUKLEINSÄUREN

Title (fr)

AMELIORATION APPORTEE A UN PROCEDE DE SYNTHESE D'ACIDES NUCLEIQUES

Publication

EP 1537236 A2 20050608 (DE)

Application

EP 03750483 A 20030902

Priority

- DE 10240868 A 20020904
- EP 0309756 W 20030902

Abstract (en)

[origin: WO2004022574A2] The invention relates to a method for the synthesis of nucleic acids, wherein a polymerase, a nucleic acid which can act as a matrix for the polymerase, NTPs and Mn²⁺ are incubated in certain conditions which enable the synthesis of a nucleic acid strand. Said method is characterised in that the conditions have a mol ratio of Mn²⁺/NTP which is not greater than 0.7.

IPC 1-7

C12Q 1/68

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP US)

C12Q 1/6865 (2013.01 - EP US)

C-Set (source: EP US)

C12Q 1/6865 + **C12Q 2527/137**

Citation (search report)

See references of WO 2004022574A2

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 2004022574 A2 20040318; WO 2004022574 A3 20040422; AU 2003270143 A1 20040329; AU 2003270143 A8 20040329; DE 10240868 A1 20040318; EP 1537236 A2 20050608; US 2006172299 A1 20060803

DOCDB simple family (application)

EP 0309756 W 20030902; AU 2003270143 A 20030902; DE 10240868 A 20020904; EP 03750483 A 20030902; US 52648705 A 20051108