Title (en)

CIRCULAR EXTENSION FOR GENERATING MULTIPLE NUCLEIC ACID COMPLEMENTS

Publication

EP 0542874 A4 19940511 (EN)

Application

EP 91915255 A 19910717

Priority

US 55864590 A 19900725

Abstract (en)

[origin: WO9201813A1] A process for generating multiple linear complements of a single strand, circular nucleic acid template containing at least one cleavage site is described. The process consists of combining the single strand, circular nucleic acid template with polynucleotide primers under conditions sufficient for hybridization; extending the polynucleotide primer more than once around the circle to generate a complementary displacement of more than one contiguous complement of the single strand, circular nucleic acid template. Also described is a process of synthesizing novel single strand, circular nucleic acids between 30 and 2200 nucleotides. The process consists of synthesizing a linear polynucleotide; combining the linear polynucleotide with a complementary linking oligonucleotide under conditions sufficient for hybridization; and ligating the linear polynucleotide to produce a single strand, circular nucleic acid.

IPC 1-7

C12Q 1/68

IPC 8 full level

C12N 15/09 (2006.01); **C12N 15/10** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP)

C12N 15/10 (2013.01); **C12Q 1/6844** (2013.01)

Citation (search report)

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- See references of WO 9201813A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

WO 9201813 A1 19920206; AU 649066 B2 19940512; AU 8417391 A 19920218; CA 2087256 A1 19920126; EP 0542874 A1 19930526; EP 0542874 A4 19940511; JP H06500014 A 19940106

DOCDB simple family (application)

US 9105067 W 19910717; AU 8417391 A 19910717; CA 2087256 A 19910717; EP 91915255 A 19910717; JP 51373191 A 19910717