

Title (en)

A METHOD OF AMPLIFICATION OF A CIRCULARISED NUCLEIC ACID PROBE

Title (de)

METHODE ZUR AMPLIFIKATION EINER ZIRKULÄREN NUKLEINSÄURESONDE

Title (fr)

PROCEDE D'AMPLIFICATION D'UNE SONDE D'ACIDE NUCLEIQUE CIRCULARISEE

Publication

EP 1141417 A4 20030409 (EN)

Application

EP 99969209 A 19991214

Priority

- AU 9901110 W 19991214
- US 11237098 P 19981215

Abstract (en)

[origin: WO0036141A1] A method for amplifying a circular nucleic acid probe produced following interaction of a nucleic acid probe with a target sequence whereby the circular nucleic acid probe is enriched prior to amplification. Enrichment reduces the level of background amplification by removing any linear nucleic acid probes, and may be enzymatic or non-enzymatic. Amplification may be by rolling circle amplification. The probe may be a padlock probe. The terminal sequences of the probe may form non-contiguous duplexes with the probe circularised through ligation of a capture ligand or spacer nucleic acid molecule between the two terminal sequences. The capture ligand or spacer nucleic acid molecule may be labelled, such as with biotin. The method is used in applications involving the detection of specific nucleic acid sequences.

IPC 1-7

C12Q 1/68

IPC 8 full level

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CPC (source: EP)

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C-Set (source: EP)

C12Q 1/682 + **C12Q 2531/125** + **C12Q 2525/307**

Citation (search report)

- [T] VOISEY J ET AL: "Interrogation of multimeric DNA amplification products by competitive primer extension using bst DNA polymerase (large fragment).", BIOTECHNIQUES. UNITED STATES NOV 2001, vol. 31, no. 5, November 2001 (2001-11-01), pages 1122 - 1124, 1126, 1128 - 1129, XP002228714, ISSN: 0736-6205
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- See references of WO 0036141A1

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