

Title (en)

METHOD FOR THE SELECTIVE AMPLIFICATION OF NUCLEIC ACIDS AND KIT FOR CARRYING OUT SAME

Title (de)

VERFAHREN ZUR SELEKTIVEN AMPLIFIKATION VON NUKLEINSÄUREN UND KIT ZU DESSEN DURCHFÜHRUNG

Title (fr)

PROCÉDÉ D'AMPLIFICATION SÉLECTIVE D'ACIDES NUCLÉIQUES ET KIT POUR METTRE EN OEUVRE CE PROCÉDÉ

Publication

EP 3759252 A1 20210106 (DE)

Application

EP 19712689 A 20190225

Priority

- EP 18158518 A 20180226
- EP 2019054545 W 20190225

Abstract (en)

[origin: WO2019162487A1] A method is disclosed for detecting an amplification of nucleic acids in which use is essentially made of the fact that a predefined nucleic acid chain (target sequence) can be multiplied/amplified in the presence of a target-sequence-specific activator oligonucleotide. The target-sequence-specific activator oligonucleotide brings about the separation of de-novo synthesized complementary primer elongation products by means of strand displacement, so that a new primer oligonucleotide can attach to the respective strand of the template. The complex thus formed, of a primer oligonucleotide and a template strand, can initiate a new primer elongation reaction. The primer elongation products thus formed, in turn, act again as templates, the result being an exponentially proceeding amplification reaction. In the method, a selective amplification is effected in that, for the first, second primer and activator oligonucleotide, variants are used which differ from the target sequence by at least one nucleotide.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019162487A1

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Designated extension state (EPC)

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