

Title (en)
INVASIVE CLEAVAGE OF NUCLEIC ACIDS

Title (de)
INVASIVE SPALTUNG VON NUKLEINSÄUREN

Title (fr)
CLIVAGE INVASIF D'ACIDES NUCLEIQUES

Publication
EP 0904286 A1 19990331 (EN)

Application
EP 97903931 A 19970122

Priority

- US 9701072 W 19970122
- US 59949196 A 19960124
- US 68285396 A 19960712
- US 75638696 A 19961129
- US 75831496 A 19961202
- US 75903896 A 19961202

Abstract (en)
[origin: WO9727214A1] The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof. The present invention further relates to methods and devices for the separation of nucleic acid molecules based on charge. The present invention also provides methods for the detection of non-target cleavage products via the formation of a complete and activated protein binding region.

IPC 1-7
C07K 14/00; **C07H 21/04**; **C12N 15/11**; **C12N 15/63**; **C12N 15/85**; **C12N 15/86**; **C12Q 1/68**

IPC 8 full level
G01N 33/50 (2006.01); **C12N 1/21** (2006.01); **C12N 9/12** (2006.01); **C12N 9/16** (2006.01); **C12N 9/22** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)
C12Q 1/6816 (2013.01); **C12Q 1/6823** (2013.01); **C12Q 1/6827** (2013.01); **C12Q 1/683** (2013.01); **C12Q 1/6844** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9727214 A1 19970731; AT E414793 T1 20081215; AU 1836497 A 19970820; AU 731062 B2 20010322; CA 2243353 A1 19970731; CA 2243353 C 20100330; DK 1634890 T3 20090309; EP 0904286 A1 19990331; EP 0904286 A4 20040114; EP 1634890 A1 20060315; EP 1634890 B1 20081119; ES 2317113 T3 20090416; JP 2002515737 A 20020528; JP 2005160481 A 20050623; JP 3665648 B2 20050629; JP 4295715 B2 20090715

DOCDB simple family (application)
US 9701072 W 19970122; AT 05016686 T 19970122; AU 1836497 A 19970122; CA 2243353 A 19970122; DK 05016686 T 19970122; EP 05016686 A 19970122; EP 97903931 A 19970122; ES 05016686 T 19970122; JP 2004348955 A 20041201; JP 52698997 A 19970122